

By **Hitomi Shida**, author of the *Japanese Knitting Stitch Bible*
Translated with an Introduction by **Gayle Roehm**



250 Japanese Knitting Stitches

The Original Pattern Bible by Hitomi Shida



The
Long-awaited
Knitting
Classic

TUTTLE



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About this Collection

For this collection, I've used many of the stitches that first appeared in the garments I designed for my *Couture Knits* series. I also created some designs specially for this book, and added edgings, to make up a total of 250 stitch patterns. It was a good opportunity for me to look back at my work and think about it in new ways.

There's a long history of creating patterns from a single thread, from traditional designs to new ones developed by dedicated knitters. The world of knitting is widening greatly.

Familiar patterns can take on whole new faces when the stitches are changed slightly, or a new flavor is added. It's truly interesting to dig deeply into one stitch pattern. In addition, the impression of a stitch pattern changes with its surroundings, the way a picture frame enhances a picture. I tried here to develop edgings with individuality.

One section of this book shows two knitted fabrics, with the same stitches arranged in different ways. I'd be pleased if you use these examples as hints to create your own variations.

I feel as if I'm handing over these patterns that were born within myself, and I'm looking forward to starting again, looking at the patterns in new ways.

I feel great happiness that my teachers and friends have given me the joy of knitting and a depth of technique. Thank you very much, and thanks also to those who took part in creating my books, from *Couture Knits* to this collection and beyond, and to those who produced all the samples. You did good work. I'm full of gratitude to so many people for their help in completing this book.

—HITOMI SHIDA

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About this Book

You hold in your hands a collection of 250 stitch patterns developed by the brilliant Japanese designer Hitomi Shida. It's actually her first collection, which was published in Japan in 2005. For years, knitters have sought out the original book for its innovative sculptural stitch patterns. When it went out of print, used copies became hot items on the secondary market. Now at last, the original collection is again available for knitters and designers.

Shida's second collection was published in English as *The Japanese Knitting Stitch Bible* (Tuttle, 2017—referred to here as JKSB). This companion volume gives the knitter 250 more gorgeous stitches to choose from.

About the author

Hitomi Shida didn't set out to become a hand knitting designer. She began training as a nurse, but her studies were interrupted by a serious bout of illness. During her long recovery, she was introduced to machine knitting, and qualified as an instructor. She later turned her attention to hand knitting. In 1990, she participated in a group show, which was her debut as a designer. She began taking on work for magazines and yarn companies, and published her first book of garment patterns in 1996. The next year, Shida began creating an annual "Couture Knitting" collection of fall and winter women's garments. She added a spring/summer edition in 2009, as well as ongoing work for magazines and yarn companies. She's now one of Japan's best-known and most respected hand knitting designers, and her work defines "Japanese knitting" for many knitters.

Be sure to read through the remainder of this introduction before starting to knit from this book. It includes important information about interpreting the charts and symbols, finding the pattern repeat, and using the stitch patterns in a knitted fabric.

Chart reading basics

The single most important thing to remember is this: the chart shows

the right side of the work. It's a visual representation of what your knitting will look like when it's done. Each symbol describes what the stitch will look like on the right side, not what you execute. For example, to create a knit stitch on the right side, you purl on the reverse side.

If you're knitting back and forth:

- *On the right side*, read the chart from right to left, in the same sequence that you work the stitches.
- *On the reverse* (or "*wrong*") *side*, read the chart from left to right, and *reverse* the *symbols*, so that your stitches will show up correctly on the right side. That is, if you need a knit, work a purl.
- Aside from knits and purls, not many stitches are worked on the wrong side. The Guide to Symbols includes directions for reverse side rows, if applicable. If only one definition is given, that particular symbol is only worked on right side rows.

If you're knitting in the round:

Read every row from right to left. There's no need to reverse stitches.

Symbol definitions

Unlike other stitch pattern charts that you may have seen, Japanese charts normally do not provide a key to the symbols. The symbols are standardized, and every Japanese publisher uses the same symbol set. A Japanese knitter is expected to know them. For western knitters, we've added definitions for every symbol in the book.

As you work through the stitch patterns, you'll notice that the symbols look a lot like the stitches they represent. Just like the overall chart, the symbols are visual representations of what the stitch should look like; they're a sort of visual code. The symbol for knit 2 together, for instance, has two legs (two stitches are involved) and leans to the right (as the stitch does when complete). Basic stitch symbols may be combined, as well: knit 2 together with a "purl dash" (horizontal line) below it tells you to purl 2 together.

Of the various stitch symbol systems in use around the world, the Japanese symbols look most like their corresponding stitches. As you get used to them, you'll probably wish all publishers would adopt this logical system.

This collection includes two tables of symbols:



- The Guide to Symbols (pp. 8 to 26) is organized by type of stitch (such as cables) and number of stitches involved. Each symbol is cross-referenced to the stitch patterns in which it is used. Some definitions refer you to illustrations in the back.
- The Complex Symbols (pp. 150 to 153) were on a special page in the original Japanese version, because they're unusual, complex and new to most knitters. The complex symbols are defined in this table and cross-referenced to the larger Guide to Symbols.



In most cases, the Guide to Symbols explains just one way to accomplish a stitch. Experienced knitters will notice that they may know another way to achieve the same result. One-over-one crossing stitches, for instance, can be done in several ways: with a cable needle, by switching the positions of the stitches, or by knitting the second stitch first. As long as you achieve the correct result (the top stitch slants in the correct direction), any method is fine.

For consistency, I've used the symbol definitions from Nihon Vogue, the original publisher, as found in *Knitting Symbol Book* (ISBN 978-4-529-05559-8).

Blank boxes

In almost all charts, you'll see a number of blank boxes. Check the bottom left corner of the chart to see how to read the blank. For instance:

 =  tells you that a blank box should look like a knit on the right side. This means it's purled on the wrong side. Lots of blank boxes indicate stockinette stitch.

 =  tells you that a blank box should look like a purl on the right side, so it's knit on the wrong side. Lots of blank boxes indicate reverse stockinette stitch.

This convention keeps the chart cleaner and easier to read—your eye can focus on what you have to do, without a lot of visual “noise” from the background stitches. Compare stitch patterns 001 and 002, for instance. Pattern 001 is based on stockinette stitch, while pattern 002 has a background of reverse stockinette.

“Knot” stitches

Shida uses many “knot” stitches, as she calls them. A “knot” stitch

creates something that looks like a wrap around a couple of stitches. There are two types:

- Lifted-over knot stitches like this one:



Where you lift stitch 3 over stitches 1 and 2 and off the needle, then k, yo, k the next two stitches. You can tell it's a lifted-over knot because there's a yo to make up for the lifted-over stitch.

- Wrapped knot stitches like this one, also referred to as smocking:



Where you knit the stitches (4 in this symbol), place them on a DPN or cable needle, and wrap the working yarn counterclockwise around them, as many times as the small number indicates (2 in this case). You can tell it's a wrapped knot because there's a number to tell you how many wraps to make.

Other notations

A heavy black dot usually indicates a bobble of some kind, so look for a footnote below the chart to tell you which type of bobble. Shida's bobbles are mostly done with a crochet hook. Crocheted bobbles tend to be smoother and rounder than knitted bobbles, so you may want to give them a try. Finally, there are few other footnotes that provide explanation or a page reference for a specific stitch.

Other features of these charts

- Row numbers are shown on the right hand side, and stitch numbers at the bottom. The rightmost column and the bottommost row are not stitches, but holders for those numbers.
- Each chart gives the pattern repeat at the bottom. For instance, the repeat for pattern #1 is 20 stitches and 32 rows. Watch the stitch and row numbers for where the repeat starts and ends; only the repeated stitches are numbered.
- The edgings don't specify the repeat in the same way, but the numbers at the bottom tell you which stitches to repeat.
- Most charts begin in the lower right-hand corner. Unlike JKSB, most of these charts don't show setup rows; they begin immediately with the first pattern row.
- However, row 1 of the pattern repeat isn't necessarily the first row, and stitch 1 may not be the first stitch, so watch for your starting point. Not every chart includes edge stitches.
- In some stitch patterns, you'll see a bracket at the bottom specifying

a row repeat. That tells you that the bracketed stitches have a different row repeat from the main pattern. Pattern 010, for instance, repeats over 38 rows, but stitches 1 and 2 at right repeat over 4 rows—which is not evenly divided into 38. You'll be keeping track of two repeats.

- A few charts (077, 116, 172, 212, 215) include an inset section at top left. Where you see the shaded boxes on the main chart, you'll work the motif at top left. For instance, in 077, the five shaded rows will form a small leaf pattern. This convention allows for changing stitch counts: the shaded box represents the stitch which will become 3 stitches, then 5, then decrease away to one again.

Before you begin

Whether you want to make a complicated design, or just use a chart for a scarf, take these few steps to ensure that you understand the chart:

1. *Find the key that tells you whether a blank box is a knit or a purl.*

Keep in mind that this is how the stitch appears on the right side.

2. *Find the definitions for all the symbols included.* This book contains two symbol tables and some illustrations in the back, so you may need to look in more than one place.

3. *Find the marked stitch and row repeat.* The stitch numbering across the bottom of the chart stops with the last stitch of the repeat. The row numbering up the right side stops with the last row of the repeat. That makes the repeat easy to spot. Remember that some motifs may have a different row repeat.

IMPORTANT: when designing a knitted fabric, repeat *only* the numbered stitches and rows. You may find it helpful to draw a heavy colored line around the repeat as a reminder, or to shade in that section of the chart.

Don't be fooled by the fact that most charts include more than a single repeat; this was done to make all charts about the same size and to balance the page visually. The chart as printed can't *necessarily* be used in its entirety.

Stitch pattern 007, for instance, shows a repeat at the bottom of 18 stitches and 28 rows. Therefore, the chart as *printed* contains one and a half repeats. You

can't just work across the entire chart, then return to the right hand side and repeat again; one and a half patterns, repeated across, would look strange. The number of increases and decreases would also be out of balance.

If you repeat just the numbered stitches, your increases and decreases will balance, and your stitch count won't change. However, be alert for stitches that span the beginning and ending of a repeat. Stitch pattern 13, with a repeat of 12 stitches and 40 rows, has a double decrease at stitch 13 in rows 31, 33, 35, 37 and 39. On your last repeat, you'll need to change that to a single decrease to keep the stitch count in balance. You can see this change in the column to the right of stitch 1.

A Guide to the Symbols

Abbreviations used in this section

RN = Right needle

LN = Left needle

St = Stitch

K = Knit

P = Purl

YO = Yarn over

Ktbl or twisted knit = knit through back loop

Ptbl or twisted purl = purl through back loop

Sl = slip

Wyib = with yarn in back of work

Wyif = with yarn in front

K2tog = Knit 2 together

K2togtbl = Knit 2 together through back loops

P2tog = Purl 2 together

P2togtbl = Purl 2 together through back loops

Psso = pass slipped stitch over

P2sso = pass 2 slipped stitches over

P3sso = pass 3 slipped stitches over

SKP = Slip 1 knitwise, knit 1, pass slipped stitch over

SSK = [Slip 1 knitwise] twice, return 2 st to LN, k2togtbl

SSP = [Slip 1 knitwise] twice, slip 2 stitches back to LN, then
p2togtbl

M1 = Make one: with tip of RN, pick up the strand of yarn before
the next stitch on LN and ktbl

CN = cable needle

K1 below = insert RN into the stitch below the next st on LN and k,
letting the next st on LN drop down

Special stitch pattern(s)

RS: K
WS: P

RS: P
WS: K



Note: In pattern #189, this symbol is used for an M1 increase

039, 065, 067, 078, 079, 080, 137, 138, 237

WS: K1bl

Decreases

M1: K2tog

WS: P2tog (illustrated on p. 159)

M1: SKP or SSK

WS: P2togtbl or SSP (an alternate WS method is illustrated on p. 159)

040, 045, 102, 137, 138, 168, 249, 250

WS: K2tog

SSP: 040, 055, 102, 137, 138, 168, 250



032, 037, 039, 045, 048, 050, 054, 059, 064, 065, 072, 073, 077, 079, 081, 083, 091, 113, 139, 140, 155, 156, 213

064, 074, 076, 077, 078, 079, 081, 083, 091, 113, 127, 128, 139, 140, 155, 156, 213, 219, 229, 236

002, 007, 009, 015, 019, 028, 036, 045, 054, 060, 068, 072, 073, 075, 085, 097, 111, 116, 120, 135, 136, 147, 148, 150, 157, 158, 159, 162, 172, 234, 236

K2tog; the 5, without removing st from LN, k, yo, k into the same st (makes 3 st from 2)

024, 025, 026



013, 014, 025, 026



015, 016 together knitwise, k2tog, p3sso

Increases

M1: k1, yo, k into the next st (1 st becomes 3)



M1: k1, 2, yo, k into the next st (1 st becomes 5)



Insert 1 st of RN into center of st 3 rows below the next st. Pull up a loop of yarn, yo, insert RN into the same stitch and pull up another loop.

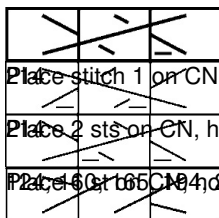


Over 6 rows p. 157

050, 053, 060, 100, 102, 111, 114, 121, 122, 136, 194, 211, 213, 231, 233

Over 7 rows:

005, 020



Place stitch 1 on CN, hold to front, p2; k1 from CN.

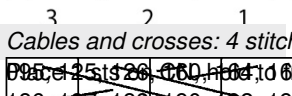
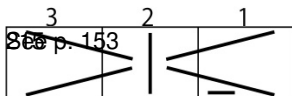
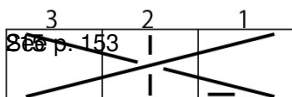
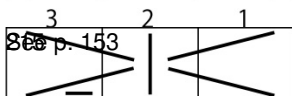
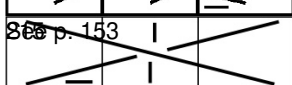
Place 2 sts on CN, hold to back, k1; p2 from CN.

Place 4 sts on CN, hold to back, k2; k1 from CN.

Place 6 sts on CN, hold to front, k1; k2 from CN.

Place 20 sts on CN, hold to front, k1; k2 from CN. 165, 173, 186, 187, 194, 201, 208, 242, 243

Place 20 sts on CN, hold to back, k1; k2 from CN. 165, 173, 186, 187, 194, 201, 208, 242, 243



Cables and crosses: 4 stitches

Place 25 sts on CN, hold to back, k1; k2 from CN. 162, 170, 171, 172, 173, 177, 178, 180, 183, 184, 186, 187, 188, 190, 192, 194, 195, 198, 201, 202, 204, 205, 206, 208, 209, 215, 219, 242, 246

Place 25 sts on CN, hold to back, k1; k2 from CN. 162, 170, 171, 172, 173, 177, 178, 183, 184, 186, 187, 188, 192, 195, 198, 201, 202, 204, 205, 208, 209, 215, 219, 246

Place 2 sts on CN, hold to front, k1, p1; k2 from CN.

Place 2 sts on CN, hold to back, k2; p1, k1 from CN.

Place 2 sts on CN, hold to back, k2; k1, p1 from CN.

Place 2 sts on CN, hold to front, p1, k1; k2 from CN.

Place 23 sts on CN, hold to back, k1; k2 from CN. 161, 186, 187, 188, 192, 206, 209, 215, 246

Place 23 sts on CN, hold to front, k1; k2 from CN. 161, 186, 187, 188, 192, 206, 209, 215, 246

Place 20 sts on CN, hold to front, k1; k2 from CN. 161, 186, 187, 188, 192, 206, 209, 215, 246

Place 20 sts on CN, hold to front, k1; k2 from CN. 161, 186, 187, 188, 192, 206, 209, 215, 246

Place 2 st on CN, hold to back; k2; k3 from CN.

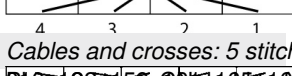
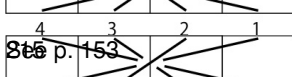
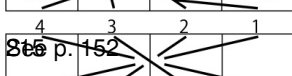
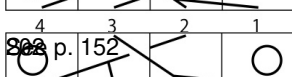
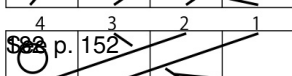
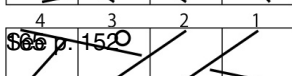
Place 2 st on CN, hold to front; k2; k3 from CN.

Place 2 st on CN, hold to back; k2; k3 from CN.

Place 1 st on CN, hold to front; k3; k1 from CN.

Place 3 sts on CN, hold to back; k1; k3 from CN.

Place 2 st on CN, hold to front; p1, k1; k1, p1 from CN.



Cables and crosses: 5 stitches

Place 2 st on CN, hold to back; k2; k3 from CN.

Place 3 sts on CN, hold to back; k2; k3 from CN.

Place 3 sts on CN, hold to front; place 1 st on another CN, hold to back; k2; p1 from back CN; k2 from front CN.

Place 2 sts on CN, hold to back; place 1 st on another CN, hold to back; k2; p1 from 2nd CN; k2 from first CN.

Place 2 sts on CN, hold to front; k2, p1; k2 from CN.

Place 3 sts on CN, hold to back; k2; k2, p1 from CN.

Place 3 sts on CN, hold to back; k2; k1, p1, k1 from CN.

Place 2 sts on CN, hold to front; p1, k2; k2 from CN.

Place 2 sts on CN, hold to front; k1, p1, k1; k2 from CN.

Place 3 sts on CN, hold to back; k2; p3 from CN.

Place 2 sts on CN, hold to front; p3; k2 from CN.

Place 3 sts on CN, hold to front; k2; k3 from CN.

Place 2 sts on CN, hold to back; k3; k2 from CN.

Place 4 sts on CN, hold to front; p2; k3 from CN.

Place 4 sts on CN, hold to back; k3; p2 from CN.

Place 3 sts on CN, hold to front; k1, p1; k3 from CN.

Place 2 sts on CN, hold to back; k3; p1, k1 from CN.

Cables and crosses: 6 stitches

Place 2 sts on CN, hold to front, p2, k2; k2 from CN.

Place 4 sts on CN, hold to back, k2; k2, p2 from CN.

Place 3 sts on CN, hold to front; k3; k3 from CN.

Place 3 sts on CN, hold to back; k3; k3 from CN.

Place 6 sts on CN, hold to back; k3; p3 from CN.

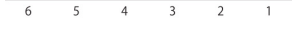
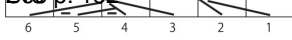
Place 6 sts on CN, hold to front; p3; k3 from CN.

Place 3 sts on CN, hold to back; k3; p2, k1 from CN.

Place 3 sts on CN, hold to front; k1, p2; k3 from CN.

Place 9 sts on CN, hold to back; p3; k3 from CN.

Place 9 sts on CN, hold to front; k3; p3 from CN.



Cables: 7 stitches

Place 3 sts on CN, hold to front, k4; k3 from CN.

Place 3 sts on CN, hold to front; k1, p1, k1, p1; k3 from CN.

Place 4 sts on CN, hold to back; k3; p1, k1, p1, k1 from CN.

Place 12 sts on a CN and hold to front; place 1 st on another CN and hold to back; k3; p1 from back CN; k3 from front CN.

Place 3 sts on a CN and hold to back; place 1 st on another CN and hold to back; k3; p1 from second CN; k3 from first CN.

Twisted stitches: decreases

505, 518, 520, 521, 529, 541, 550, 560, 561, 566, 589, 594, 139, 140, 173, 194,
DOI:10.1002/ps.2354

Distal p18, 0.22, 0.02, 0.12, 0.50, 0.60, 0.61, 0.66, 0.88, 0.94, 1.39, N 40, m 7, light 94, 120 to 201st 2.1, 4, 231 s253 back to LN and k2toq

Illustrated on p. 154

645, 660, 685, 700, 715, 730, 745, 760, 775, 790, 805, 820, 835, 850, 865, 880, 895, 910, 925, 940, 955, 970, 985, 1000, 1015, 1030, 1045, 1060, 1075, 1090, 1105, 1120, 1135, 1150, 1165, 1180, 1195, 1210, 1225, 1240, 1255, 1270, 1285, 1300, 1315, 1330, 1345, 1360, 1375, 1390, 1405, 1420, 1435, 1450, 1465, 1480, 1495, 1510, 1525, 1540, 1555, 1570, 1585, 1600, 1615, 1630, 1645, 1660, 1675, 1690, 1705, 1720, 1735, 1750, 1765, 1780, 1795, 1810, 1825, 1840, 1855, 1870, 1885, 1900, 1915, 1930, 1945, 1960, 1975, 1990, 2005, 2020, 2035, 2050, 2065, 2080, 2095, 2110, 2125, 2140, 2155, 2170, 2185, 2200, 2215, 2230, 2245, 2260, 2275, 2290, 2305, 2320, 2335, 2350, 2365, 2380, 2395, 2410, 2425, 2440, 2455, 2470, 2485, 2500, 2515, 2530, 2545, 2560, 2575, 2590, 2605, 2620, 2635, 2650, 2665, 2680, 2695, 2710, 2725, 2740, 2755, 2770, 2785, 2800, 2815, 2830, 2845, 2860, 2875, 2890, 2905, 2920, 2935, 2950, 2965, 2980, 2995, 3010, 3025, 3040, 3055, 3070, 3085, 3100, 3115, 3130, 3145, 3160, 3175, 3190, 3205, 3220, 3235, 3250, 3265, 3280, 3295, 3310, 3325, 3340, 3355, 3370, 3385, 3400, 3415, 3430, 3445, 3460, 3475, 3490, 3505, 3520, 3535, 3550, 3565, 3580, 3595, 3610, 3625, 3640, 3655, 3670, 3685, 3700, 3715, 3730, 3745, 3760, 3775, 3790, 3805, 3820, 3835, 3850, 3865, 3880, 3895, 3910, 3925, 3940, 3955, 3970, 3985, 4000, 4015, 4030, 4045, 4060, 4075, 4090, 4105, 4120, 4135, 4150, 4165, 4180, 4195, 4210, 4225, 4240, 4255, 4270, 4285, 4300, 4315, 4330, 4345, 4360, 4375, 4390, 4405, 4420, 4435, 4450, 4465, 4480, 4495, 4510, 4525, 4540, 4555, 4570, 4585, 4600, 4615, 4630, 4645, 4660, 4675, 4690, 4705, 4720, 4735, 4750, 4765, 4780, 4795, 4810, 4825, 4840, 4855, 4870, 4885, 4900, 4915, 4930, 4945, 4960, 4975, 4990, 5005, 5020, 5035, 5050, 5065, 5080, 5095, 5110, 5125, 5140, 5155, 5170, 5185, 5200, 5215, 5230, 5245, 5260, 5275, 5290, 5305, 5320, 5335, 5350, 5365, 5380, 5395, 5410, 5425, 5440, 5455, 5470, 5485, 5500, 5515, 5530, 5545, 5560, 5575, 5590, 5605, 5620, 5635, 5650, 5665, 5680, 5695, 5710, 5725, 5740, 5755, 5770, 5785, 5800, 5815, 5830, 5845, 5860, 5875, 5890, 5905, 5920, 5935, 5950, 5965, 5980, 5995, 6010, 6025, 6040, 6055, 6070, 6085, 6100, 6115, 6130, 6145, 6160, 6175, 6190, 6205, 6220, 6235, 6250, 6265, 6280, 6295, 6310, 6325, 6340, 6355, 6370, 6385, 6400, 6415, 6430, 6445, 6460, 6475, 6490, 6505, 6520, 6535, 6550, 6565, 6580, 6595, 6610, 6625, 6640, 6655, 6670, 6685, 6700, 6715, 6730, 6745, 6760, 6775, 6790, 6805, 6820, 6835, 6850, 6865, 6880, 6895, 6910, 6925, 6940, 6955, 6970, 6985, 7000, 7015, 7030, 7045, 7060, 7075, 7090, 7105, 7120, 7135, 7150, 7165, 7180, 7195, 7210, 7225, 7240, 7255, 7270, 7285, 7300, 7315, 7330, 7345, 7360, 7375, 7390, 7405, 7420, 7435, 7450, 7465, 7480, 7495, 7510, 7525, 7540, 7555, 7570, 7585, 7600, 7615, 7630, 7645, 7660, 7675, 7690, 7705, 7720, 7735, 7750, 7765, 7780, 7795, 7810, 7825, 7840, 7855, 7870, 7885, 7900, 7915, 7930, 7945, 7960, 7975, 7990, 8005, 8020, 8035, 8050, 8065, 8080, 8095, 8110, 8125, 8140, 8155, 8170, 8185, 8200, 8215, 8230, 8245, 8260, 8275, 8290, 8305, 8320, 8335, 8350, 8365, 8380, 8395, 8410, 8425, 8440, 8455, 8470, 8485, 8500, 8515, 8530, 8545, 8560, 8575, 8590, 8605, 8620, 8635, 8650, 8665, 8680, 8695, 8710, 8725, 8740, 8755, 8770, 8785, 8800, 8815, 8830, 8845, 8860, 8875, 8890, 8905, 8920, 8935, 8950, 8965, 8980, 8995, 9010, 9025, 9040, 9055, 9070, 9085, 9100, 9115, 9130, 9145, 9160, 9175, 9190, 9205, 9220, 9235, 9250, 9265, 9280, 9295, 9310, 9325, 9340, 9355, 9370, 9385, 9400, 9415, 9430, 9445, 9460, 9475, 9490, 9505, 9520, 9535, 9550, 9565, 9580, 9595, 9610, 9625, 9640, 9655, 9670, 9685, 9700, 9715, 9730, 9745, 9760, 9775, 9790, 9805, 9820, 9835, 9850, 9865, 9880, 9895, 9910, 9925, 9940, 9955, 9970, 9985, 10000.

Illustrated on p. 154

989 purlwise, sl 3rd st back to LN by inserting tip on LN from right to left to twist
it. sl 2 back to LN and k3tog.

Illustrated on p. 154

573 purlwise, sl 1 as if to ptbl, sl 2 back to LN; then sl 2 sts together knitwise, k1, p2ssso.

Twisted crossing stitches: 2 stitches

Wid F12, 137, 138, 207, 212 and k second st without removing it from LN; ktbl first st and sllg both off LN.

Wich, P12, P37, 138, 207, 212 and ktbl second st without removing it from LN; k first st and slip both off LN.

008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072, 073, 074, 075, 076, 077, 078, 079, 080, 081, 082, 083, 084, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 128, 129, 137, 138, 162, 163, 164, 174, 190, 191, 207, 210, 212, 213, 214, 215, 218, 222, 225, 226, 227, 233

008, 009, 048, 050, 054, 055, 056, 057, 066, 076, 077, 080, 093, 106, 111, 121, 122, 123, 124, 128, 129, 137, 138, 162, 163, 164, 174, 190, 191, 207, 210, 212, 213, 214, 215, 218, 222, 225, 226, 227, 233

449. RM, rd behind 119, st 37 and 38, 210, 214, 217 without removing it from LN; ktbl first st and slip both off LN.

049, 006, 017, 038, 019 and ktbl second st without removing it from LN;
ktbl first st and slip both off LN.

Twisted crossing stitches: 3 stitches

Passage 53, 054, 059, 070, 114, 121, 132, 227, 238 another CN, hold to back, ktbl; p1 from back CN; ktbl from front CN.

Illustrated on p. 155

Place 28, 298 CN to hold to back; place 1 st on another CN, hold to back, ktbl; p1 from second CN; ktbl from first CN.

Place 1 st on CN, hold to front; place 1 st on another CN, hold to back, ktbl; k1 from back CN; k1 from front CN.

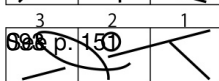
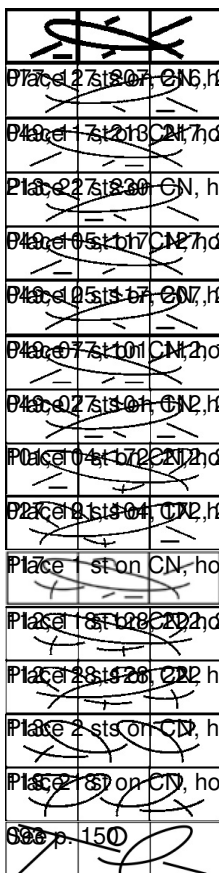
~~Place 1st \$ on CN~~ hold to front. k1: k2tbl from CN

P66 d 9 st on CN, hold to back, k2tbl; k1 from CN.

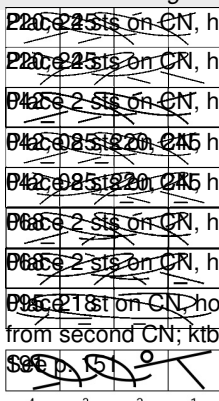
P41, C25, S135, C18, h23, d90, m191, 202, t1 from CN.

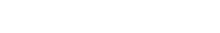
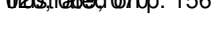
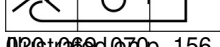
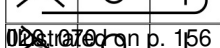
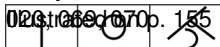
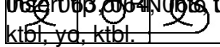
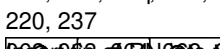
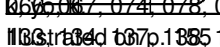
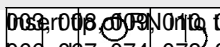
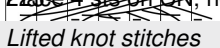
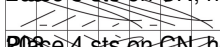
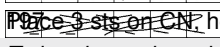
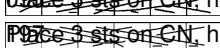
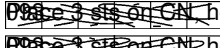
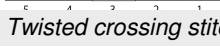
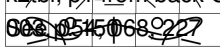
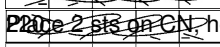
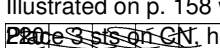
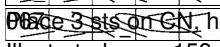
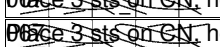
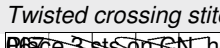
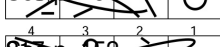
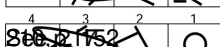
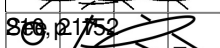
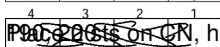
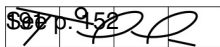
P41se055065CN3hol123o190k19212061 from CN.

Prace 17st 207CN, 6mo 228o front, k2; ktl from CN.



Twisted crossing stitches: 4 stitches





Twisted crossing stitches: 5 stitches

Place 3 sts on CN, hold to front, k2; ktbl, p1, ktbl from CN.

Place 3 sts on CN, hold to front, k1, p1; ktbl, k1, ktbl from CN.

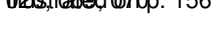
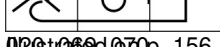
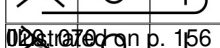
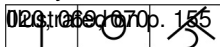
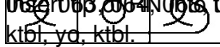
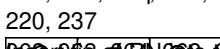
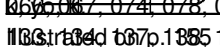
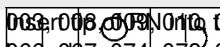
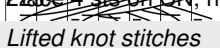
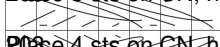
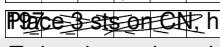
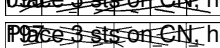
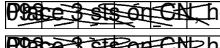
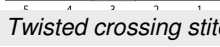
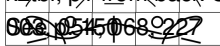
Place 3 sts on CN, hold to front, k1, p1; ktbl, p1, ktbl from CN.

Illustrated on p. 158 with a 4-st version

Place 3 sts on CN, hold to front; k1, p1; k3tbl.

Place 2 sts on CN, hold to back; k3tbl; p1, k1 from CN.

Place 2 sts on one CN, hold to front; place 1 st on another CN, hold to back; k2tbl; p1 from back CN; k2tbl from front CN.



Twisted crossing stitches: 6 stitches

Place 3 sts on CN, hold to front, k3; ktbl, p1, ktbl from CN.

Place 3 sts on CN, hold to back; ktbl, p2; k3 from CN.

Place 3 sts on CN, hold to front, k3; p2, ktbl from CN.

Place 3 sts on CN, hold to back; ktbl, p2; ktbl, p2 from CN.

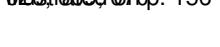
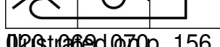
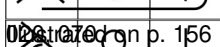
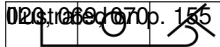
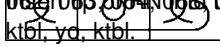
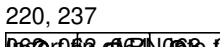
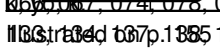
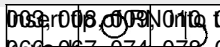
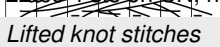
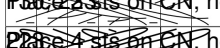
Twisted crossing stitches: 7 stitches

Place 3 sts on CN, hold to front, k3, p1; ktbl, p1, ktbl from CN.

Place 4 sts on CN, hold to back, ktbl, p1, ktbl; p1, k3 from CN.

Place 23 sts on CN, hold to front, ktbl, p1, ktbl, p1; ktbl, p1, ktbl from CN.

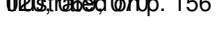
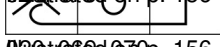
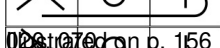
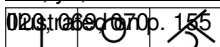
Place 4 sts on CN, hold to back, ktbl, p1, ktbl; p1, ktbl, p1, ktbl from CN.

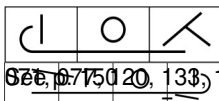


Lifted knot stitches

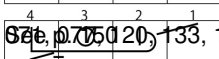
003, 006, 009, 010, 011, 014, 021, 025, 029, 035, 038, 039, 053, 059, 061, 065, 066, 067, 074, 078, 079, 080, 082, 106, 110, 117, 119, 120, 125, 127, 129, 130, 133, 134, 137, 138, 163, 164, 174, 190, 194, 197, 207, 208, 212, 215, 216, 219, 220, 237

062, 063, 064, 068, 079, 148, 150, 151, 238
ktbl, yd, ktbl.

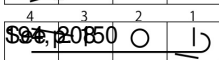




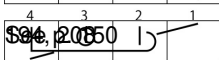
~~67 p. 175~~ 120, 133, 134, 163, 164, 194, 208



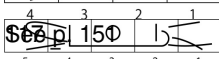
~~67 p. 175~~ 120, 133, 134, 163, 164, 194, 208



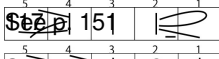
~~68 p. 208~~ 50



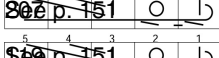
~~68 p. 208~~ 50



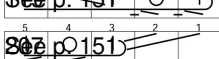
~~68 p. 150~~



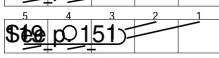
~~68 p. 151~~



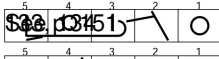
~~68 p. 151~~



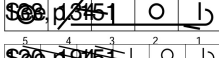
~~68 p. 151~~



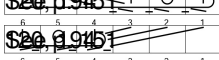
~~68 p. 151~~



~~68 p. 151~~

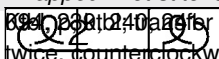


~~68 p. 151~~



~~68 p. 151~~

Wrapped knot stitches



~~69 p. 208~~ 124, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

~~69 p. k2tbl~~; transfer these 3 sts to CN and wrap working yarn around them three times counterclockwise. Transfer the 3 wrapped sts to RN.

~~69 p. k2tbl~~; transfer these 3 sts to CN and wrap working yarn around them three times counterclockwise. Transfer the 3 wrapped sts to RN.

~~69 p. k2tbl~~; transfer these 3 sts to CN and wrap working yarn around them three times counterclockwise. Transfer the 3 wrapped sts to RN.

~~69 p. k2tbl~~; transfer these 4 sts to CN and wrap working yarn around them twice counterclockwise. Transfer the 4 wrapped sts to RN.

~~69 p. k2tbl~~; transfer these 4 sts to CN and wrap working yarn around them twice counterclockwise. Transfer the 4 wrapped sts to RN.

Illustrated on p. 158

~~69 p. k2tbl~~; transfer these 4 sts to CN and wrap working yarn around them twice counterclockwise. Transfer the 4 wrapped sts to RN.

~~69 p. k2tbl~~; transfer these 5 sts to CN and wrap working yarn around them twice counterclockwise. Transfer the 5 wrapped sts to RN.

~~69 p. k2tbl~~; transfer these 5 sts to CN and wrap working yarn around them four times counterclockwise. Transfer the 5 wrapped sts to RN.

~~69 p. k2tbl~~; transfer these 5 sts to CN and wrap working yarn around them three times counterclockwise. Transfer the 5 wrapped sts to RN.

~~097~~ K6; transfer these 6 sts to CN and wrap working yarn around them three times, counterclockwise. Transfer the 6 wrapped sts to RN.

~~097~~ K7; transfer these 7 sts to CN and wrap working yarn around them twice, counterclockwise. Transfer the 7 wrapped sts to RN.

~~097~~ p2, k4; transfer these 7 sts to CN and wrap working yarn around them twice, counterclockwise. Transfer the 7 wrapped sts to RN.

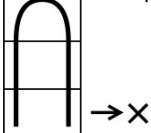
~~097~~ p2, k; transfer these 7 sts to CN and wrap working yarn around them twice, counterclockwise. Transfer the 7 wrapped sts to RN.

~~097~~ p2, k, p2, k; transfer these 7 sts to CN and wrap working yarn around them twice, counterclockwise. Transfer the 7 wrapped sts to RN.

~~050~~ [skp, k2tog] 3 times, k; transfer these 8 sts to CN and wrap working yarn around them three times, counterclockwise. Transfer the 8 wrapped sts to RN.

Other novelty stitches

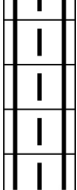
~~098~~ The rim in this pattern is made over 3 rows below)
Illustrated on p. 158



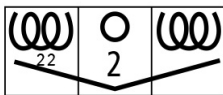
Turk stitch:

Work as charted for 6 rows. On the 7th row (WS), sl 1, insert tip of RN into the pur st 6 rows below, pull it up to LN, sl 1 back to LN, and p2tog.

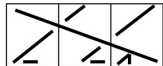
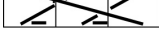
Illustrated on p. 159



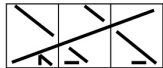
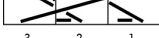
~~029~~ p. 150



~~029~~ p. 150



~~029~~ p. 150



~~029~~ p. 150



Crocheted bobbles

Chain 3, 4 or 5:



Insert crochet hook into next st on LN, pull out a loop, and chain 3, 4 or 5. Slip st then to the first chain, and move st to RN.

4 ch version illustrated on p. 157

~~043~~ 048, 059, 076, 079, 097, 098, 147

Insert crochet hook into next st on LN, pull up a loop (approx. 2 chains long),

[yarn over hook, pull up another loop in the same place] twice (5 loops on hook), yarn over hook and pull through all loops. Bring hook behind bobble and pick up the purl bump of the strand just below; slip st the purl bump together with last st on hook to anchor it in place. Transfer st to RN.

Illustrated on p. 156

~~242015~~ Bobble variation:

Insert crochet hook into next st on LN, chain 2, [yarn over hook, pull up a loop from the same stitch] twice (5 loops on hook), yarn over hook and pull through all loops. Bring hook behind bobble and pick up the purl bump of the strand just below; slip st the purl bump together with last st on hook to anchor it in place. Transfer st to RN.

~~0470046~~ Bobble: 046, 047, 049, 051, 052, 054, 055, 056, 057, 058, 060, 073, 077, 080, 081, 089, 100, 115, next st 126, 125, 132, 207, 210, 232, 235 chains long), [yarn over hook, pull up another loop in the same place] 3 times (7 loops on hook), yarn over hook and pull through all loops. Bring hook behind bobble and pick up the purl bump of the strand just below; slip st the purl bump together with last st on hook to anchor it in place. Transfer st to RN.

~~242015~~ Bobble:

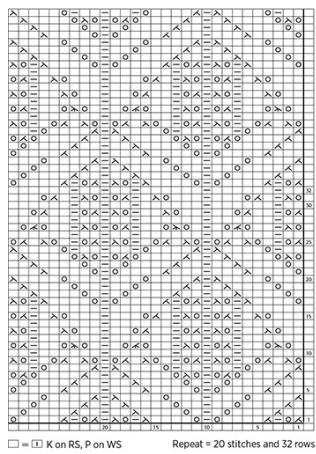
Insert crochet hook into next st on LN, chain 3; [yarn over hook, pull up a loop from the same stitch, pull yarn through 2 loops] three times (4 loops on hook), yarn over hook and pull through all loops. Bring hook behind bobble and pick up the purl bump of the strand just below; slip st the purl bump together with last st on hook to anchor it in place. Transfer st to RN.

Illustrated on p. 157

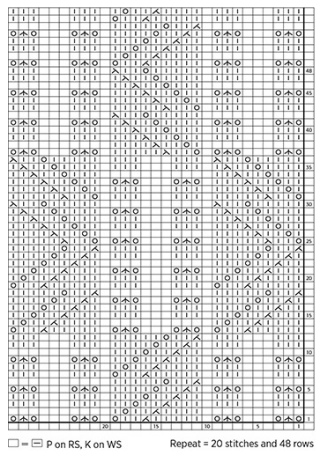


Openwork Patterns

001



002



003



A large grid of 100 squares, each containing a 5x5 grid of dots. The dots are arranged in a pattern that forms a larger grid of 10x10 squares. The dots are arranged in a pattern that forms a larger grid of 10x10 squares. The dots are arranged in a pattern that forms a larger grid of 10x10 squares.

☐ = ☐ P on RS, K on WS ☒ ~~See p. 150~~ = See p. 150

Repeat = 24 stitches and 28 rows

004

[illegible]

$\square = \equiv$ P on RS, K on WS

Repeat = 28 stitches and 32 rows

005

Figure 1 displays a 10x10 grid of 100 small plots, each showing the evolution of a system over time. The vertical axis of each plot is labeled 't' (time) and the horizontal axis is labeled 'x' (space). The plots show various patterns of activity, including vertical lines, horizontal lines, and clusters of points, representing different stages of the system's evolution. The patterns are more complex in the center of the grid and simpler towards the edges.

□ = ▢ P on RS, K on WS Repeat = 15 stitches and 60 rows



006

□ = P on RS. K on WS Repeat = 21 stitches and 32 rows



007



Legend: = P on RS, K on WS

Repeat = 18 stitches and 28 rows

□ = □ P on RS. K on WS Repeat = 18 stitches and 28 rows

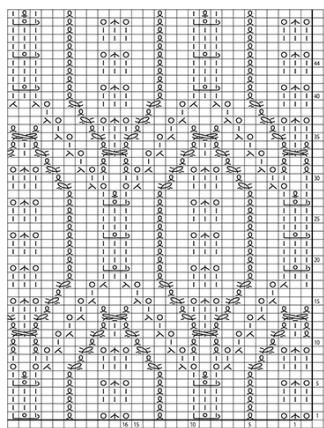
008



Figure 1 shows a 10x10 grid of 100 small square plots. Each plot contains a scatter plot of data points (circles) and a fitted curve (solid line). The data points are arranged in a grid pattern, and the fitted curves are also arranged in a grid pattern. The plots are labeled with numbers 1 through 100 in the top-left corner of each plot.

□ = ▢ P on RS, K on WS Repeat = 36 stitches and 72 rows

009

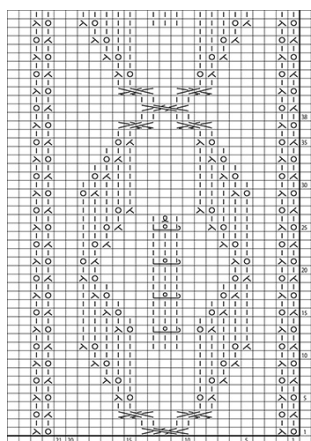


□ = P on RS, K on WS

Repeat = 16 stitches and 44 rows



010



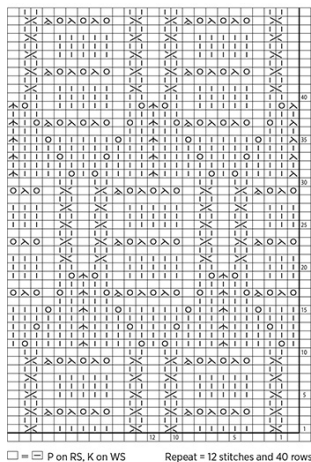
□ = P on RS, K on WS

4 row repeat

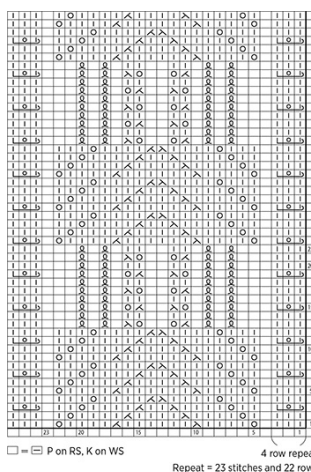
Repeat = 21 stitches and 38 rows



011



014



015



Figure 1 shows a 10x10 grid of 100 cells. Each cell contains a symbol (circle, triangle, or square) and a number (0-9). The symbols are arranged in a repeating pattern of 3x3 blocks. The numbers are arranged in a repeating pattern of 3x3 blocks. The symbols and numbers are arranged in a repeating pattern of 3x3 blocks.

$\square = \equiv$ P on RS, K on WS

Repeat = 22 stitches and 24 rows

016



Figure 1 shows a 10x10 grid of symbols representing a pattern repeat. The symbols are arranged in a repeating pattern of triangles and circles. The grid is labeled with 'x' and 'y' coordinates. The symbols are arranged in a repeating pattern of triangles and circles. The grid is labeled with 'x' and 'y' coordinates. The symbols are arranged in a repeating pattern of triangles and circles. The grid is labeled with 'x' and 'y' coordinates.

$\square = \equiv$ P on RS, K on WS

Repeat = 17 stitches and 22 rows

2 stitches = 1 pattern repeat

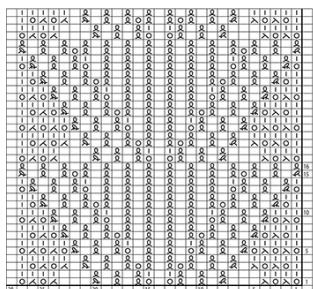
017

[illegible]

$\square = \equiv$ P on RS, K on WS

Repeat = 16 stitches and 24 rows

018

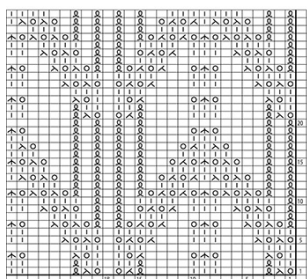


$\square = \ominus$ P on RS, K on WS

Repeat = 28 stitches and 16 rows



019

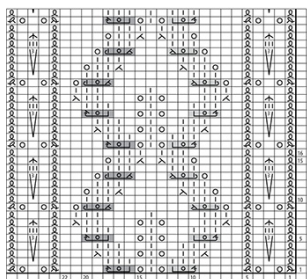


$\square = \equiv$ P on RS, K on WS

Repeat = 18 stitches and 20 rows



020



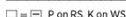
$\square = \ominus$ P on RS, K on WS

 = Illus. on pp. 155-156

Repeat = 22 stitches and 16 rows



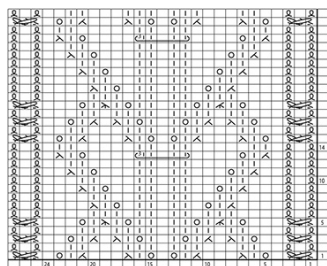
021



A close-up photograph of a light-colored, possibly cream or off-white, fabric featuring a repeating fan-shaped lace pattern. The pattern consists of stylized, symmetrical fan motifs arranged in vertical columns. Each fan motif is composed of numerous small, dark, teardrop-shaped elements radiating from a central point. The fabric has a visible vertical crease or fold line running down the center, and the overall texture appears delicate and intricate.



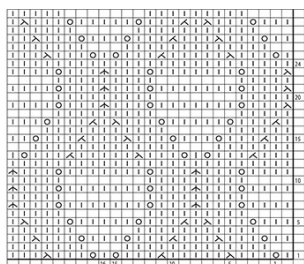
027



□ = P on RS, K on WS

Repeat = 24 stitches and 14 rows

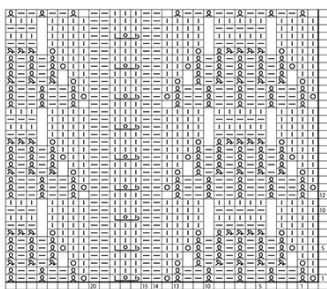
028



□ = P on RS, K on WS

Repeat = 16 stitches and 24 rows

029



Repeat = 20 stitches and 12 rows

030

Figure 1 shows a 10x10 grid representing a 10000-bit random number stream. The grid is divided into four 5x5 quadrants. The top-left quadrant contains the word 'RANDOM' in a 5x5 grid of letters. The top-right quadrant contains the word 'NUMBER' in a 5x5 grid of letters. The bottom-left quadrant contains the word 'STREAM' in a 5x5 grid of letters. The bottom-right quadrant contains the word 'RANDOM' in a 5x5 grid of letters. The letters are arranged in a way that they are not easily readable, suggesting a random distribution.

□ = □ P on RS, K on WS

Repeat = 18 stitches and 28 rows



037

A 10x10 grid of symbols. The symbols are arranged in a regular, repeating pattern of 'X', 'Y', and 'O' across the entire grid, representing a 100% random distribution.

$\square = \equiv$ P on RS, K on WS

Repeat = 29 stitches and 16 rows



038

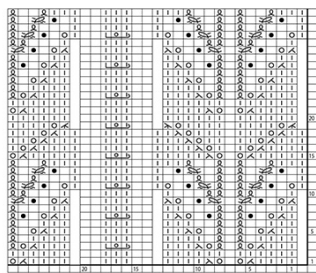
[illegible]

8 row repeat
 □ = ■ P on RS, K on WS

Repeat = 30 stitches and 10 rows

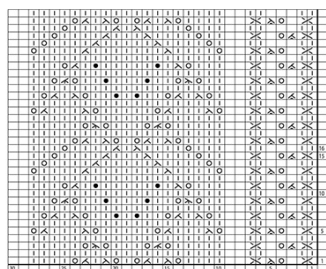


039



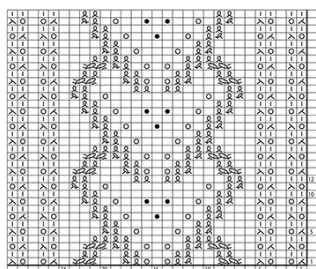
□ = P on RS, K on WS (■) = See p. 25
Repeat = 20 stitches and 20 rows

040



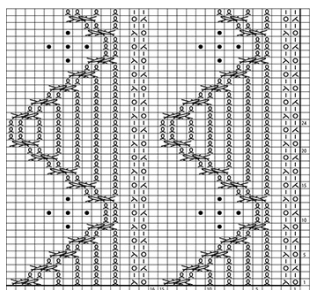
□ = P on RS, K on WS (■) = See p. 25
Repeat = 30 stitches and 16 rows

041



□ = P on RS, K on WS (■) = See p. 26
Repeat = 24 stitches and 12 rows

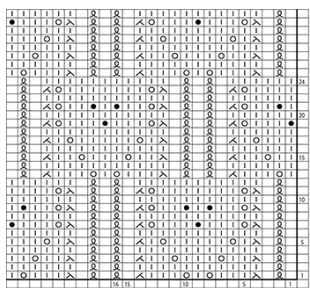
042



□ = P on RS, K on WS () = See p.26
Repeat = 16 stitches and 24 rows



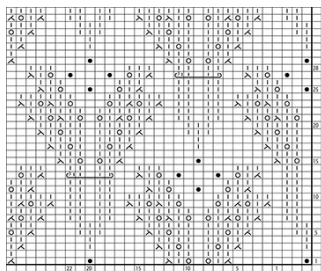
043



□ = P on RS, K on WS () = Ilus. on p. 156
Repeat = 16 stitches and 24 rows



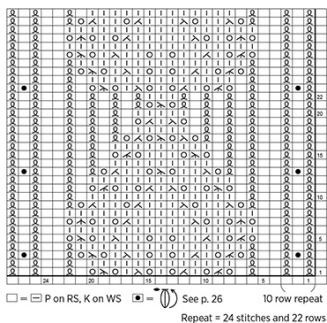
044



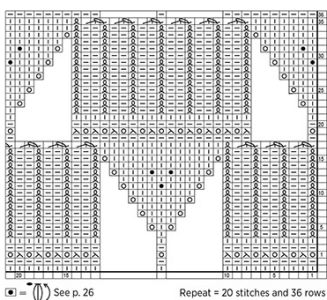
□ = P on RS, K on WS () = See p.26
Repeat = 22 stitches and 28 rows



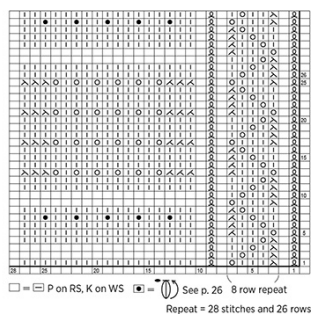
045



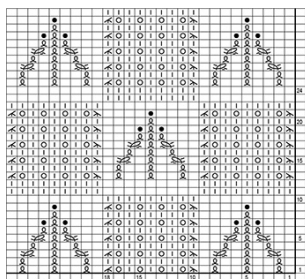
046



047



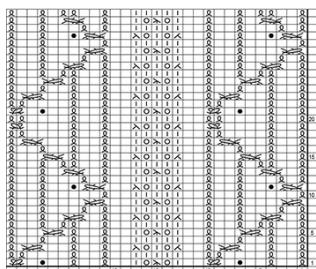
048




□ = P on RS, K on WS ■ =  illus. on p. 156
Repeat = 18 stitches and 24 rows



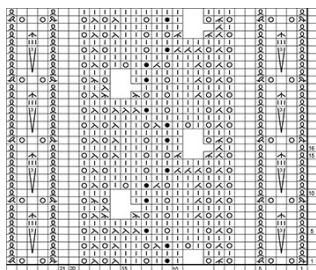
049




□ = P on RS, K on WS ■ =  See p. 26
Repeat = 19 stitches and 20 rows



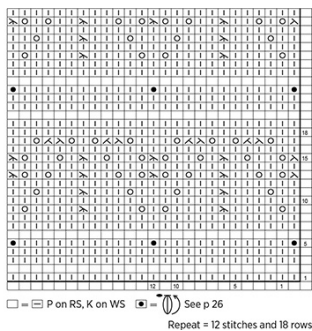
050



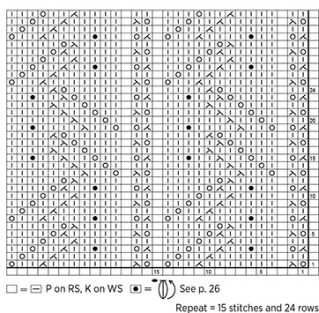
□ = P on RS, K on WS ■ =  See p. 25
Repeat = 21 stitches and 16 rows



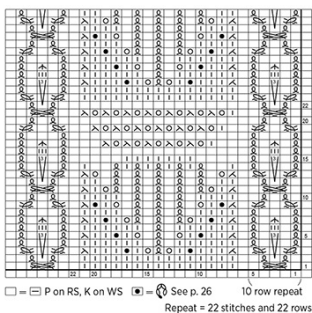
051



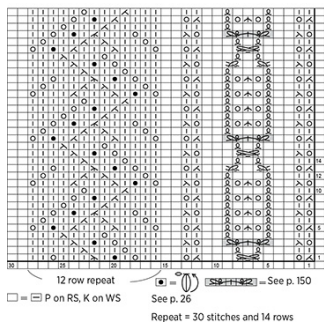
052



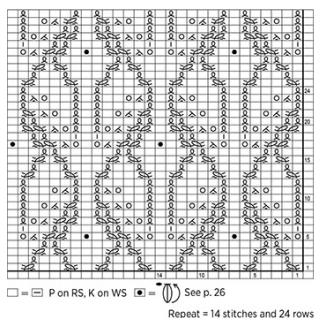
053



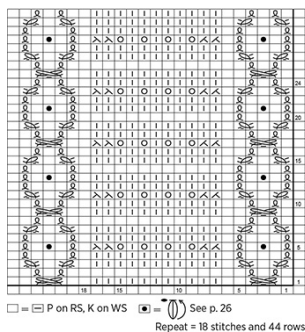
054



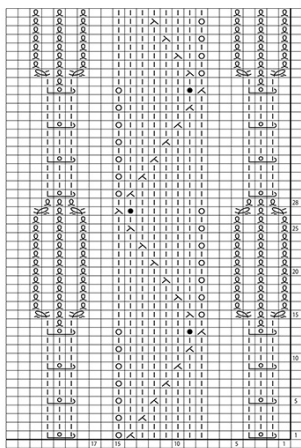
055



056

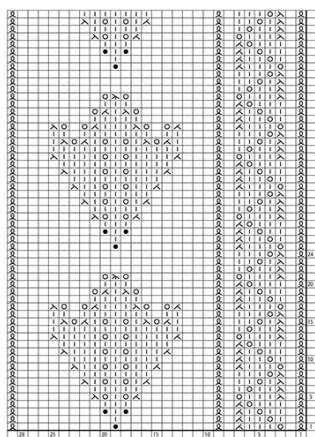


057



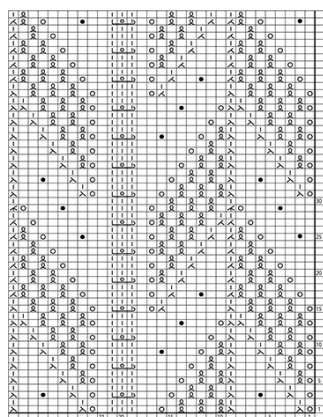
□ = □ P on RS, K on WS □ = () See p. 26
Repeat = 17 stitches and 28 rows

058



 = P on RS, K on WS = See p. 26
 Repeat = 28 stitches and 24 rows

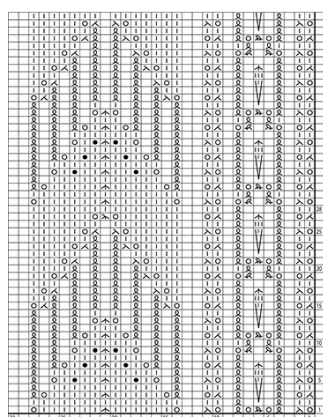
059



□ = P on RS, K on WS 4 row repeat [] =  illus. on p.156
 Repeat = 22 stitches and 30 rows



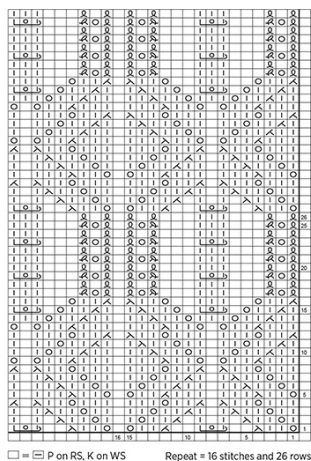
060



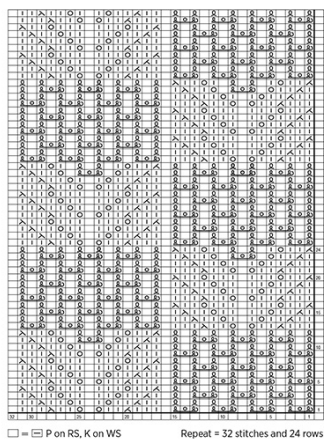
□ = P on RS, K on WS [] =  See p. 26 10 row repeat
 Repeat = 30 stitches and 28 rows



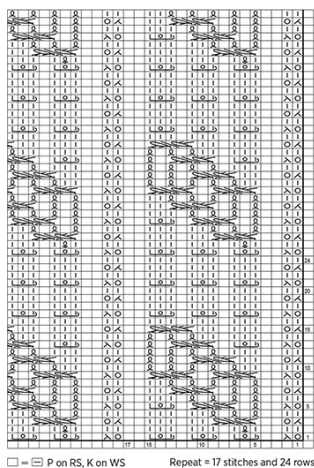
061



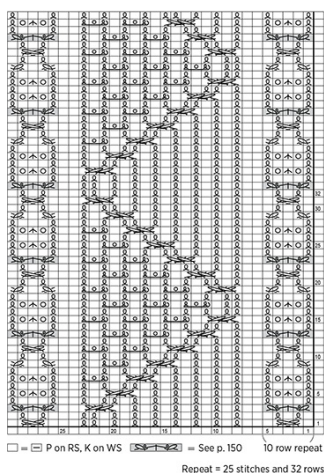
062



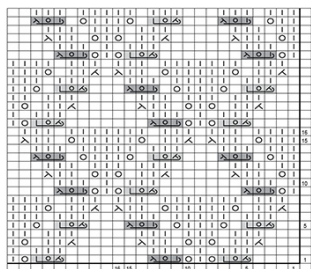
063



068

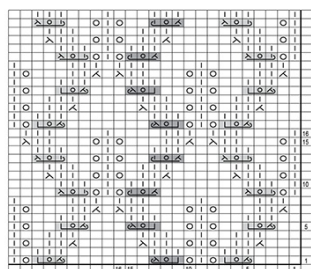


069



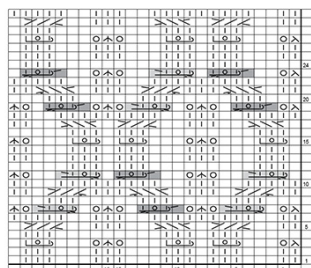
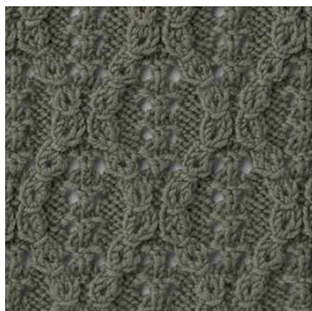
□ = P on RS, K on WS · = illus. on p. 155
Repeat = 16 stitches and 16 rows

070



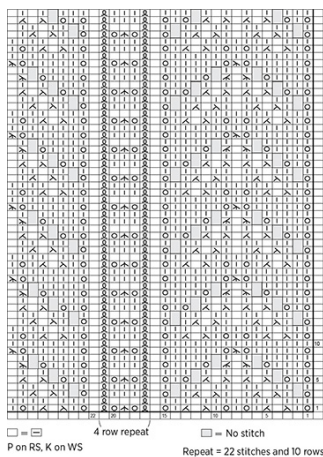
□ = P on RS, K on WS Repeat = 16 stitches and 16 rows
 · · · = illus. on pp. 155-156

071

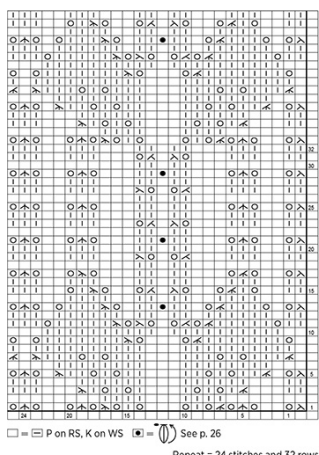


□ = P on RS, K on WS Repeat = 16 stitches and 24 rows
 · = See p. 150

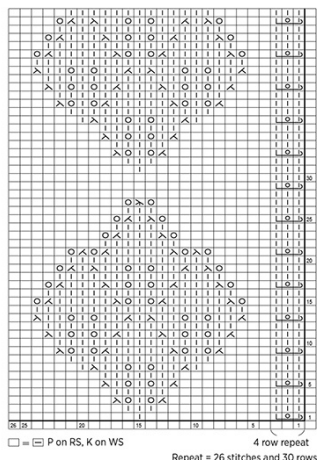
072



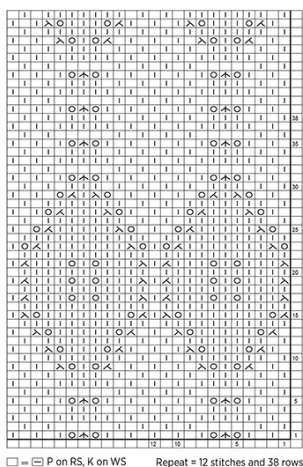
073



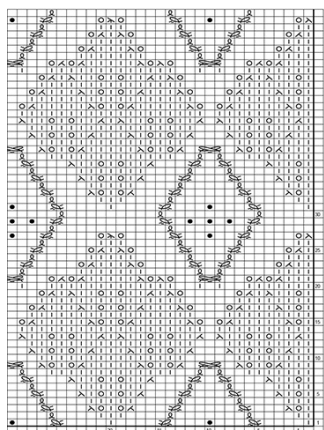
074



075



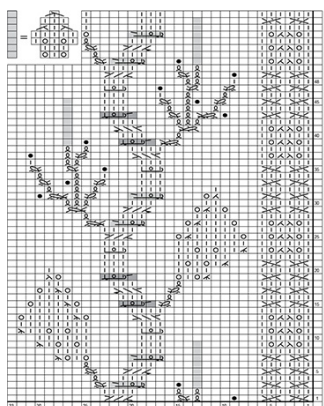
076



□ = P on RS, K on WS (●) = Illus. on p. 156
Repeat = 20 stitches and 30 rows



077



□ = P on RS, K on WS (●) = See p26
 = See p. 150
Repeat = 33 stitches and 48 rows



078





$\square = \boxminus$ P on RS, K on WS

Repeat = 10 stitches and 32 rows

083

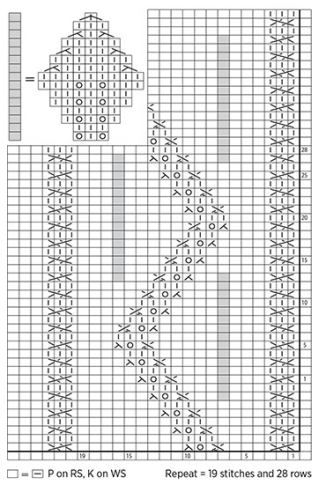


The figure shows a 16x16 grid of symbols. The symbols are arranged in a regular pattern, with some cells containing a central triangle pointing upwards. The grid is labeled with '0' and '1' at the bottom and right edges. The symbols are arranged in a regular pattern, with some cells containing a central triangle pointing upwards. The grid is labeled with '0' and '1' at the bottom and right edges.

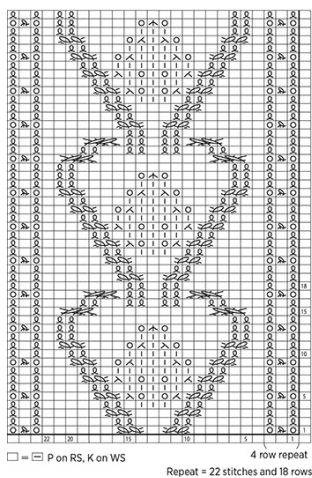
$\square = \boxminus$ P on RS, K on WS

Repeat = 20 stitches and 18 rows

084



085



086



$\square = \square$ P on RS, K on WS

Repeat = 34 stitches and 32 rows

087

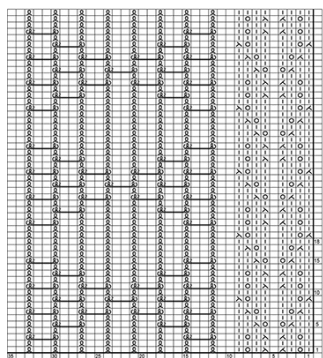
[illegible]

$\square = \equiv$ P on RS, K on WS

Repeat = 18 stitches and 36 rows

088

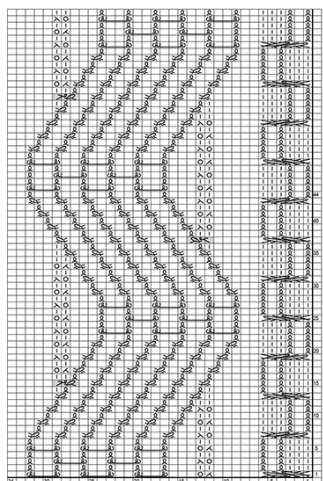




□ = P on RS, K on WS
10 row repeat
Repeat = 35 stitches and 18 rows



093






□ = P on RS, K on WS (See pp150-151 12 row repeat)
Repeat = 34 stitches and 44 rows



094



 =  P on RS, K or WS =  See p. 26

Repeat = 34 stitches and 20 rows

8 row repeat

095



□ = P on RS, K on WS

Repeat = 30 stitches and 36 rows

8 row repeat

096

$\square = \equiv$ P on RS, K or WS

Repeat = 30 stitches and 48 rows



097

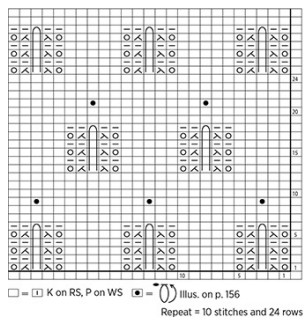
□ = P on RS, K or WS = Illus. on p. 156 14 row repeat

Repeat = 28 stitches and 32 rows

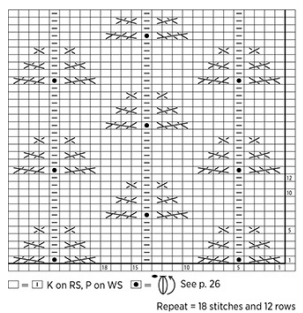


Overall Patterns

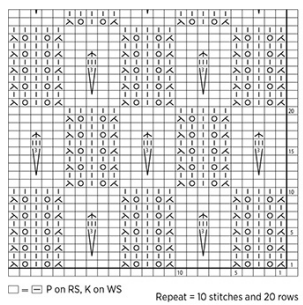
098



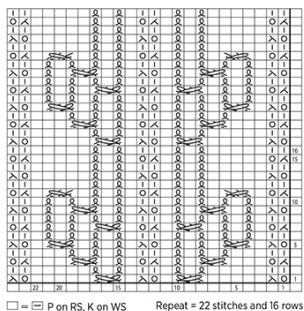
099



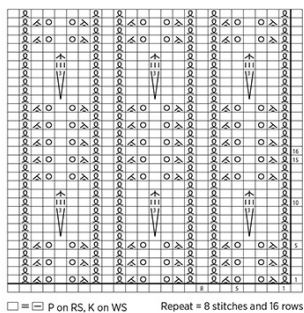
100



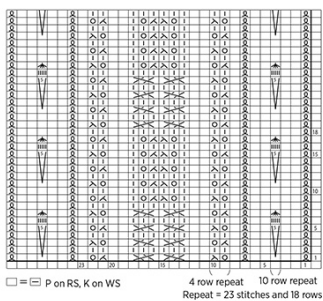
101



102



103



104



106

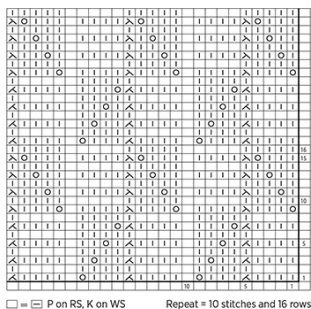


Diagram illustrating a 4-row repeat for a 21-stitch and 14-row repeat. The diagram shows a grid of stitches with arrows indicating the sequence of rows. The grid is 21 stitches wide and 14 rows high. The first row is labeled '1' and the last row is labeled '14'. The grid is divided into four sections by vertical lines, each labeled '4 row repeat'. The first section is labeled '1' and the last section is labeled '14'. The grid is also labeled '21 stitches' and '14 rows'.

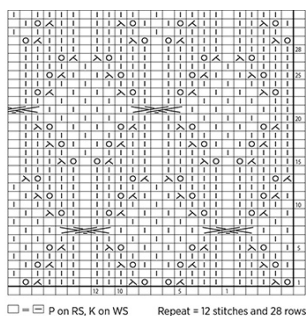
Legend: $\square = \text{p on RS, k on WS}$

Repeat = 21 stitches & 14 rows

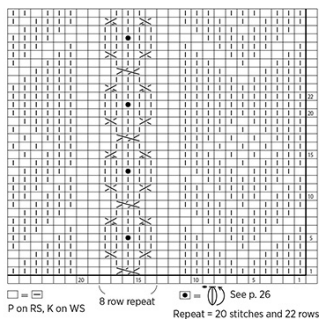




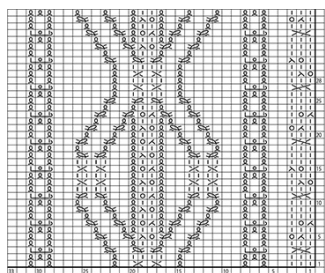
108



109



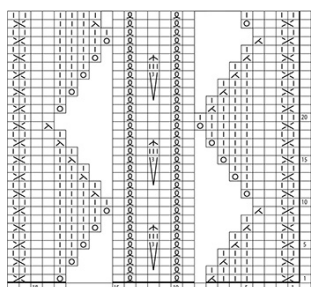
110



□ = P on RS, K on WS
16 row repeat
Repeat = 33 stitches and 28 rows



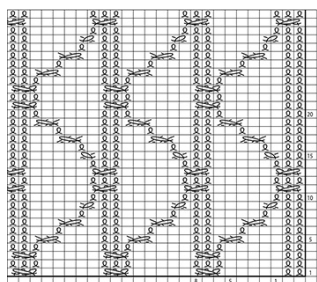
111



□ = P on RS, K on WS
Repeat = 18 stitches and 20 rows



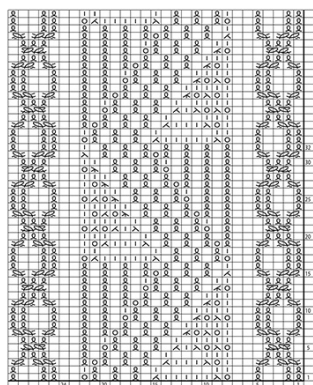
112



□ = P on RS, K on WS
Repeat = 8 stitches and 20 rows

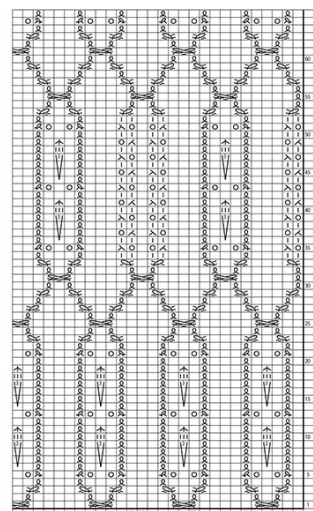


113



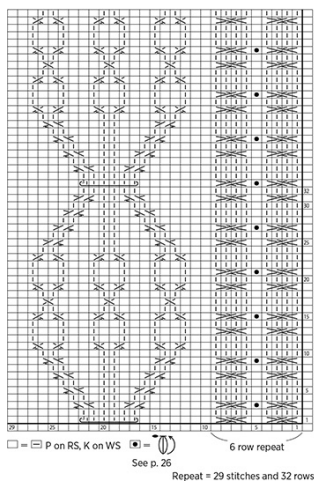
□ = P on RS, K on WS Repeat = 24 stitches and 32 rows

114

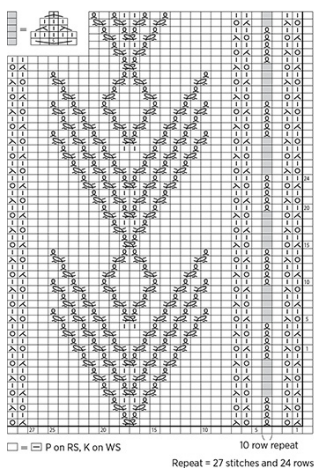


□ = P on RS, K on WS Repeat = 16 stitches and 60 rows

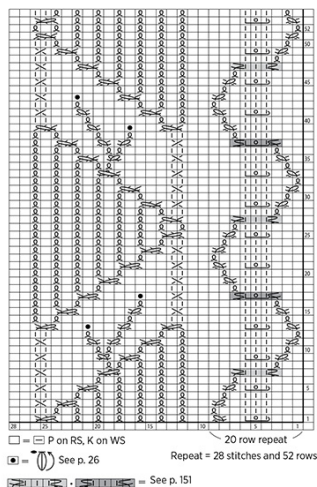
115



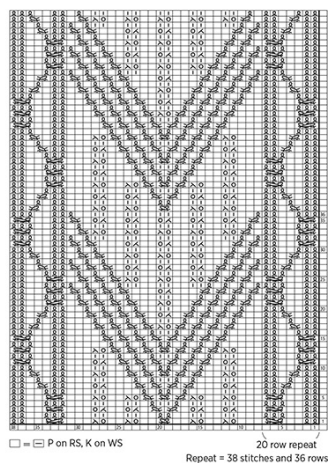
116



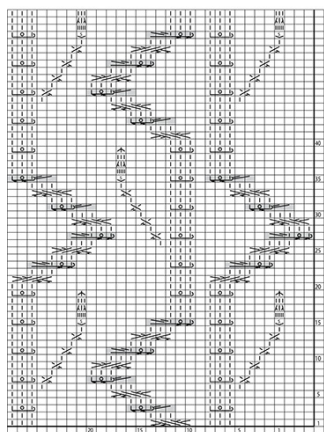
117



118



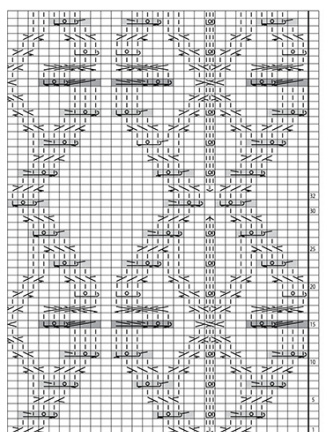
119



□ = P on RS, K on WS [Cable 2] = See p. 151
Repeat = 20 stitches and 40 rows



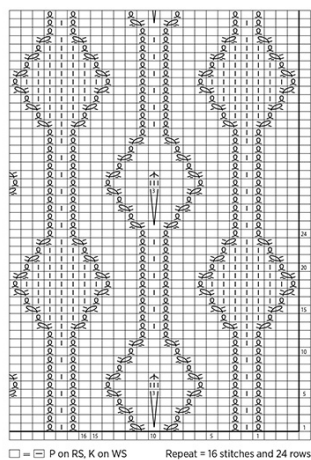
120



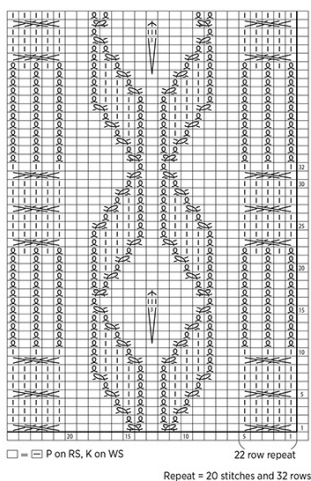
□ = P on RS, K on WS Repeat = 20 stitches and 32 rows
[Traveling knot stitch] = Traveling knot stitch see p. 151



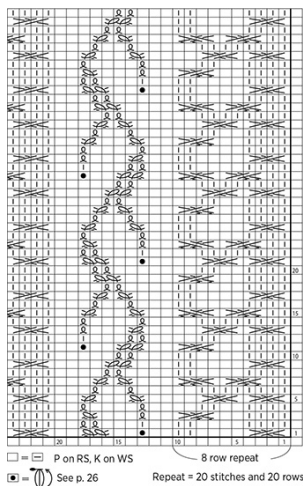
121



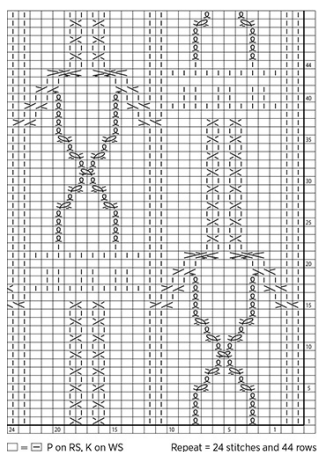
122



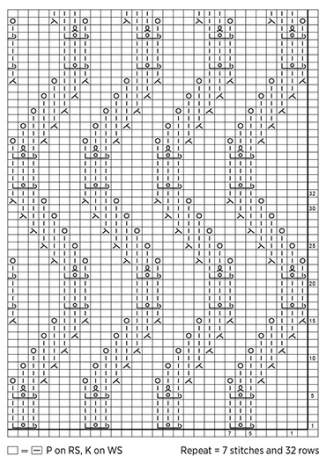
123



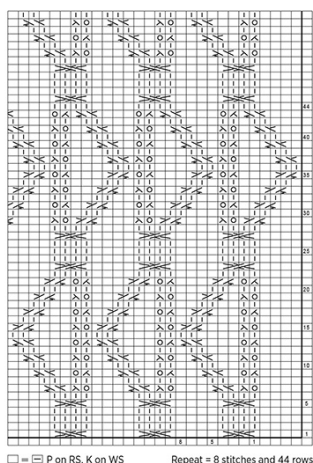
124



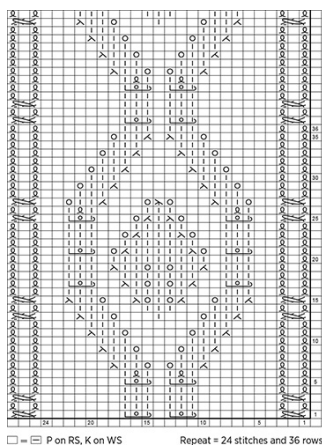
125



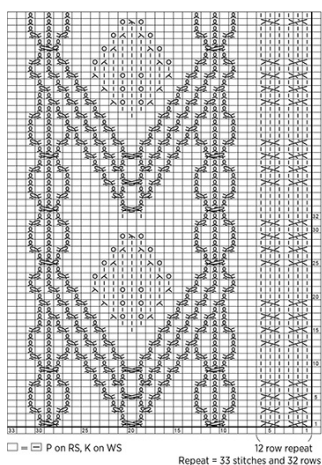
126



127

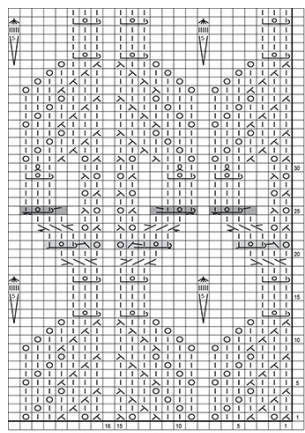


128

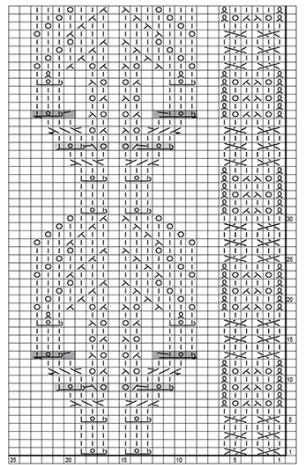


129

Pattern Arrangements

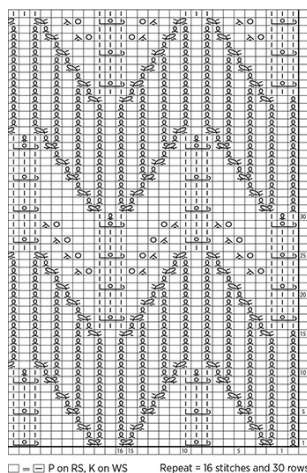


□ = P on RS, K on WS Repeat = 16 stitches and 30 rows
[Cable symbols] } See pp.150-151

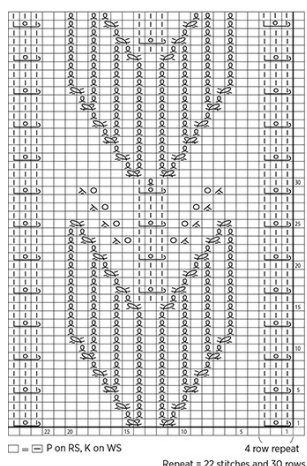


□ = P on RS, K on WS 12 row repeat
Repeat = 25 stitches and 30 rows





138



139



Legend: \square with circle = P on RS, K on WS

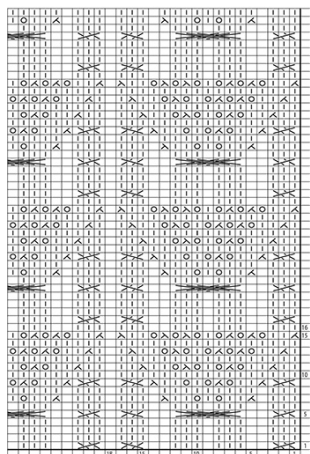
Repeat > 20 stitches and 22 inches

140



4 row repeat

Repeat = 25 stitches and 22 rows

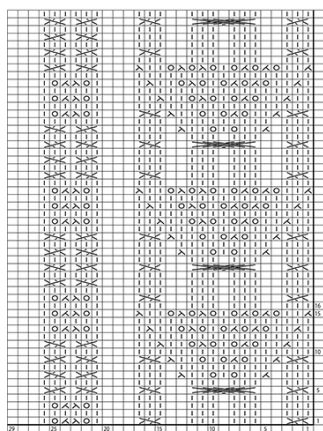


□ = P on RS, K on WS

Repeat = 18 stitches and 16 rows



142



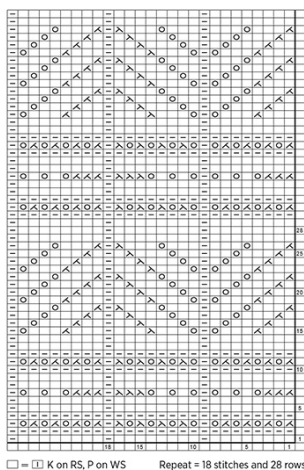
14 row repeat

□ = P on RS, K on WS

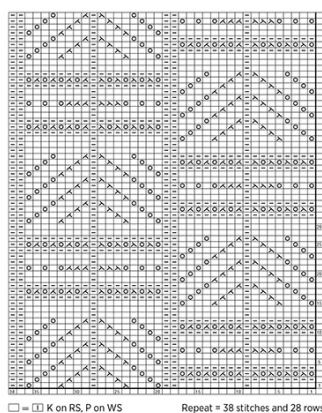
Repeat = 29 stitches and 16 rows



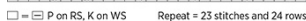
143



144



145





$\square = \equiv$ P on RS, K on WS

8 row repeat

Repeat = 22 stitches and 30 rows

152



A 10x10 grid of 100 squares. Each square contains a small geometric symbol. The symbols are either a triangle pointing in one of four directions (up, down, left, right) or a small circle. The distribution of symbols is as follows:

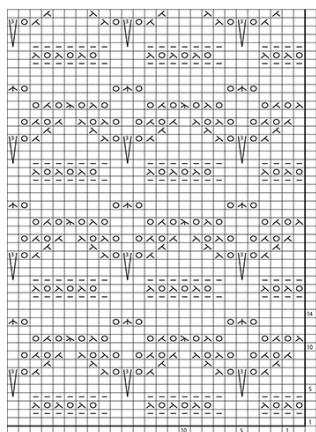
- Row 1:** 10 triangles (various directions).
- Row 2:** 10 triangles (various directions).
- Row 3:** 10 triangles (various directions).
- Row 4:** 10 triangles (various directions).
- Row 5:** 10 triangles (various directions).
- Row 6:** 10 triangles (various directions).
- Row 7:** 10 triangles (various directions).
- Row 8:** 10 triangles (various directions).
- Row 9:** 10 triangles (various directions).
- Row 10:** 10 triangles (various directions).

The circles are scattered throughout the grid, appearing in various rows and columns, often interspersed with the triangles.

$\square = \ominus$ P on RS, K on WS

Repeat = 16 stitches and 30 rows

153

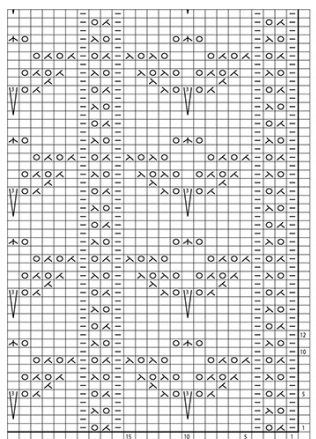


□ = [] K on RS, P on WS

Repeat = 10 stitches and 14 rows



158

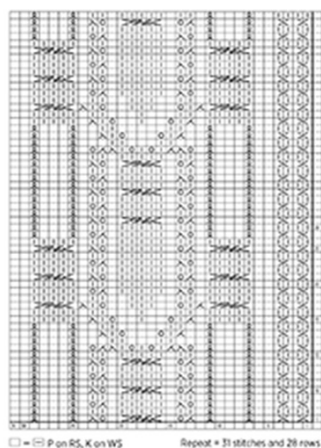


□ = [] K on RS, P on WS

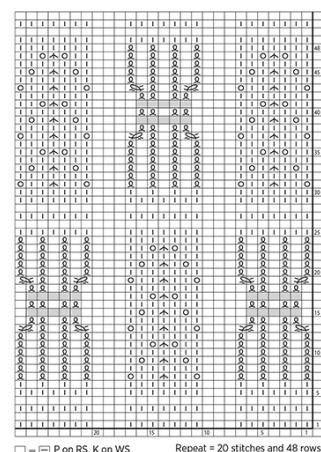
Repeat = 15 stitches and 12 rows



Patterns with Crossing Stitches



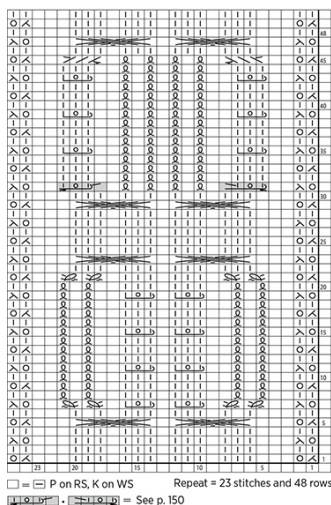
162



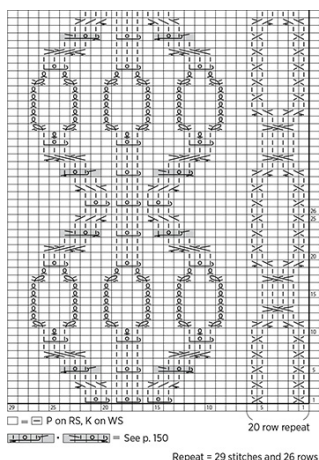
□ = P on RS, K on WS

□ = See p. 21

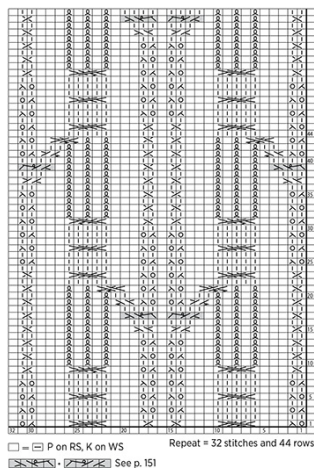
163



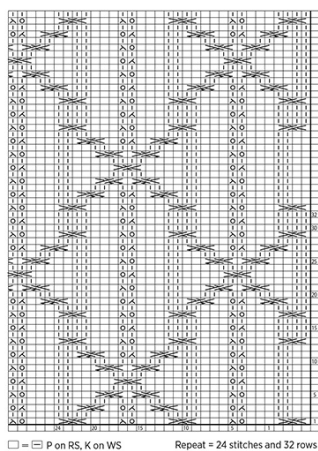
164



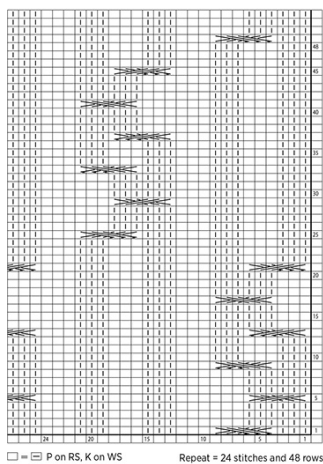
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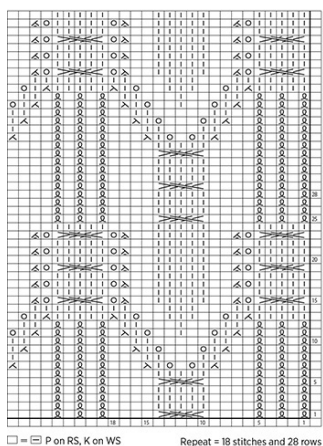
166



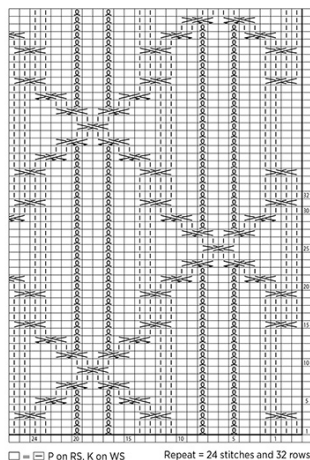
167



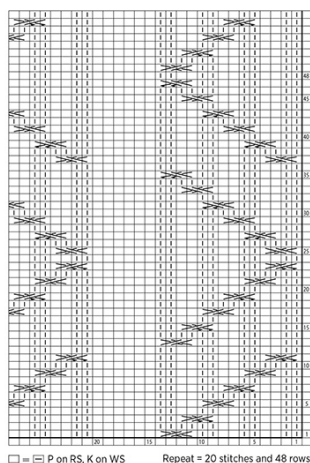
168



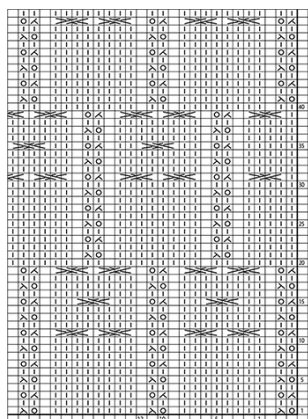
169



170



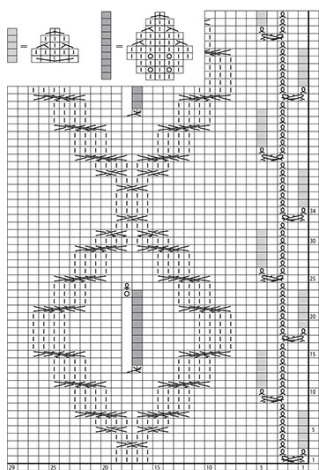
171



□ = P on RS, K on WS Repeat = 12 stitches and 40 rows



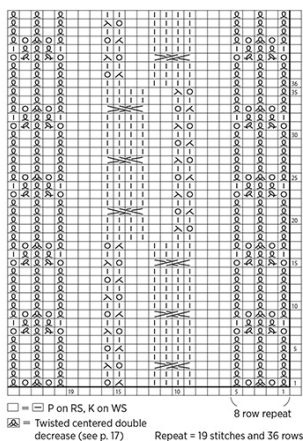
172



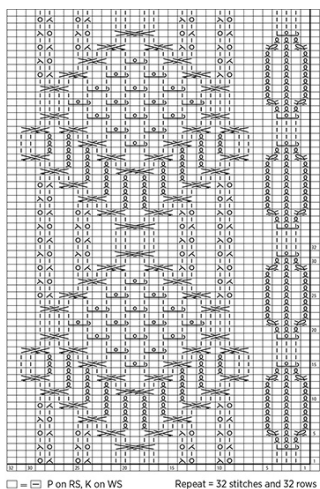
□ = P on RS, K on WS 16 row repeat Repeat = 29 stitches and 34 rows



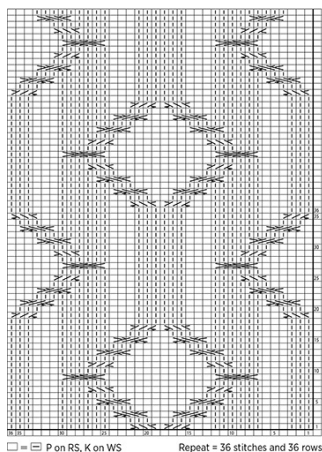
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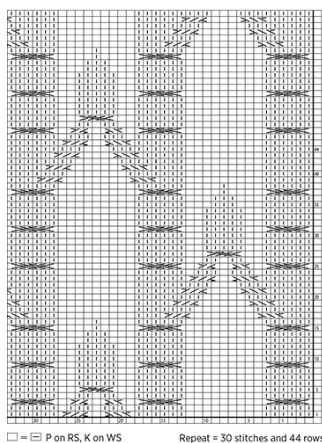
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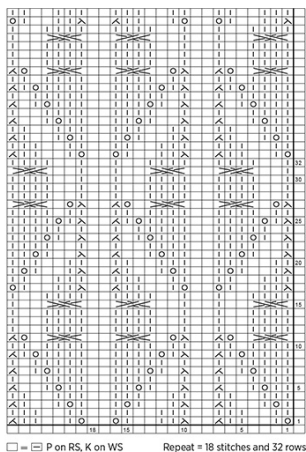
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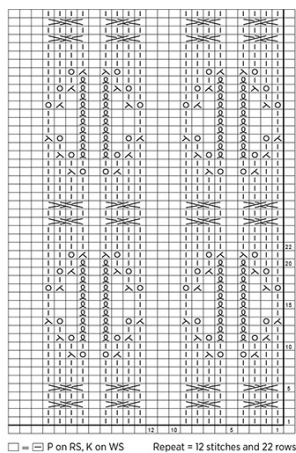
176



177



178

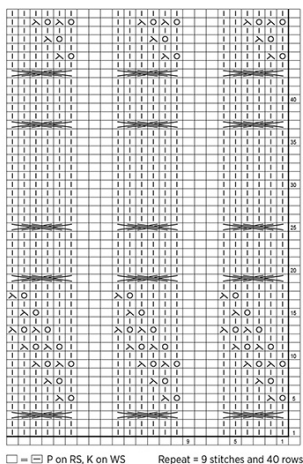


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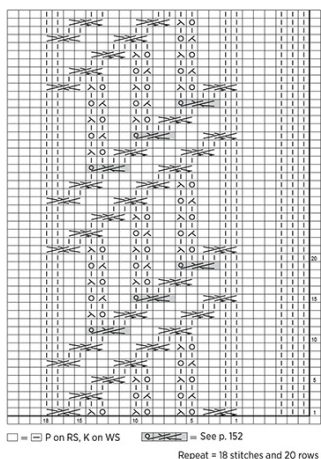


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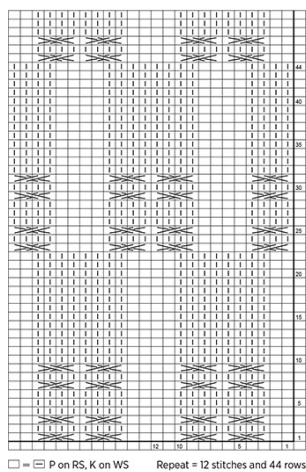




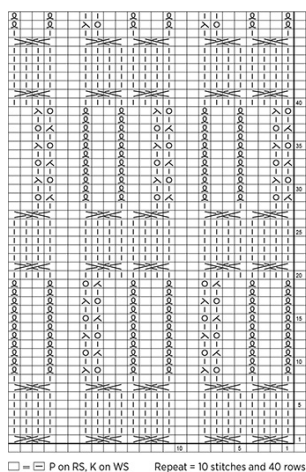
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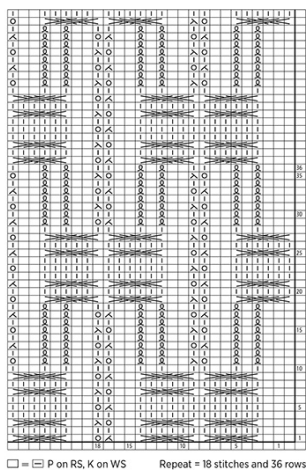
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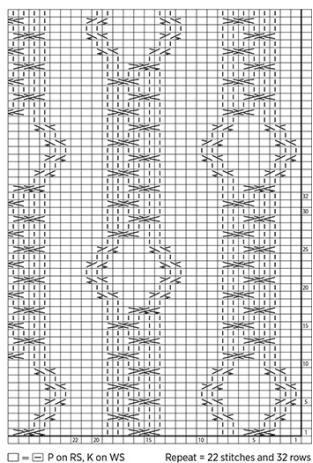
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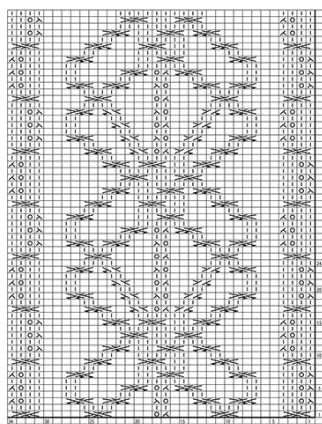
185



186



187



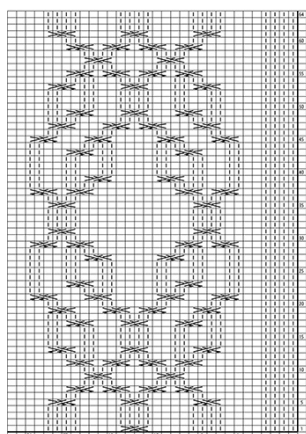
□ = P on RS, K on WS

16 row repeat

Repeat = 34 stitches and 24 rows



188

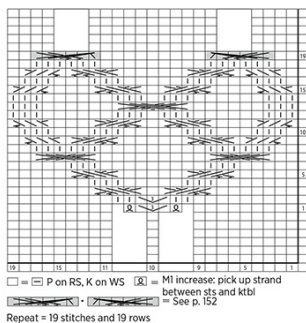


□ = P on RS, K on WS

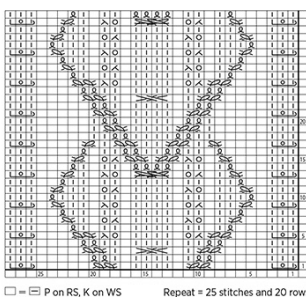
Repeat = 24 stitches and 64 rows



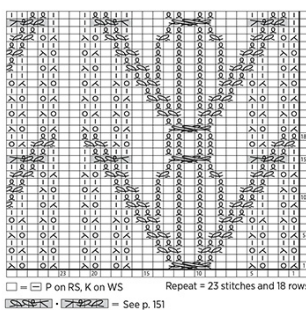
189



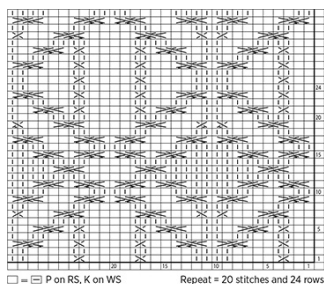
190



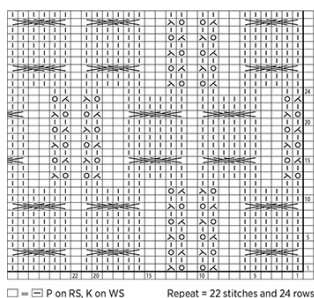
191



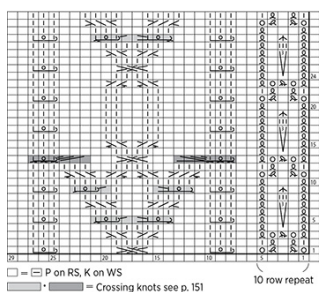
192



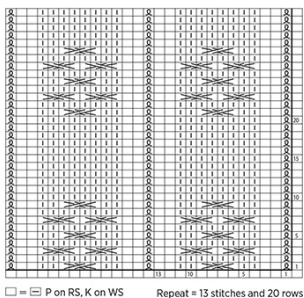
193



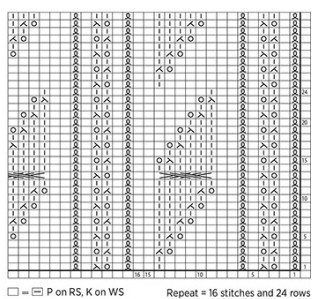
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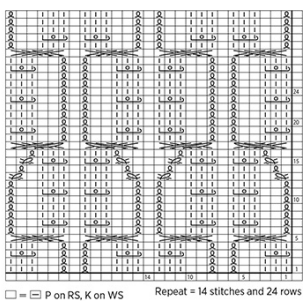
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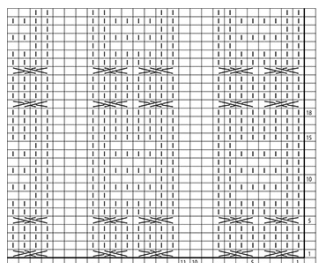
196



197



198

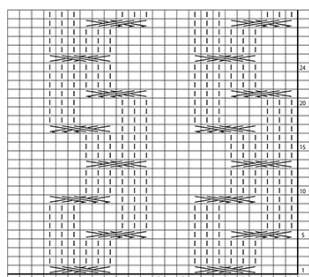


□ = P on RS, K on WS

Repeat = 11 stitches and 18 rows



199

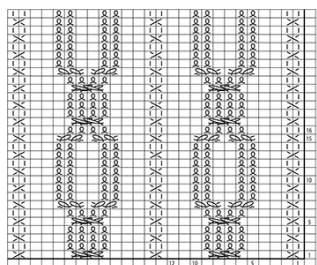


□ = P on RS, K on WS

Repeat = 12 stitches and 24 rows



200

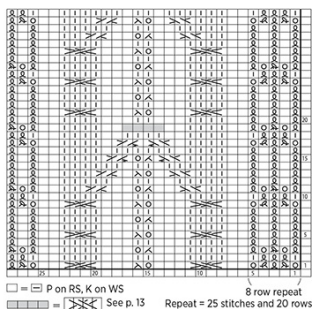


□ = P on RS, K on WS

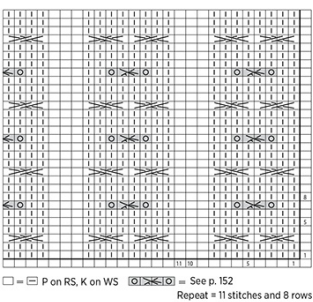
Repeat = 12 stitches and 16 rows



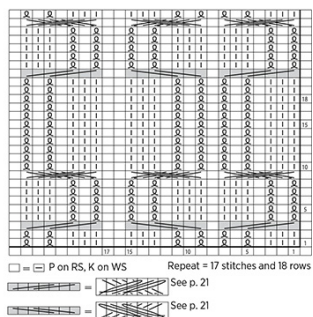
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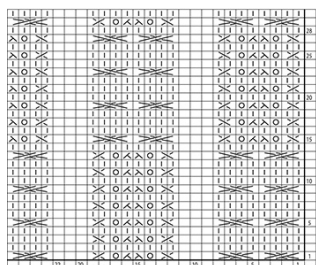
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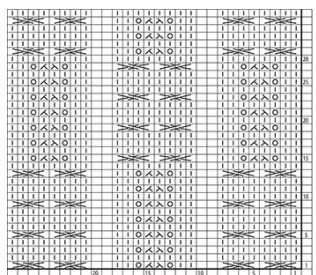
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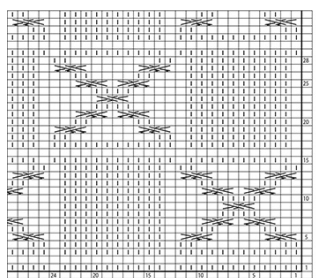
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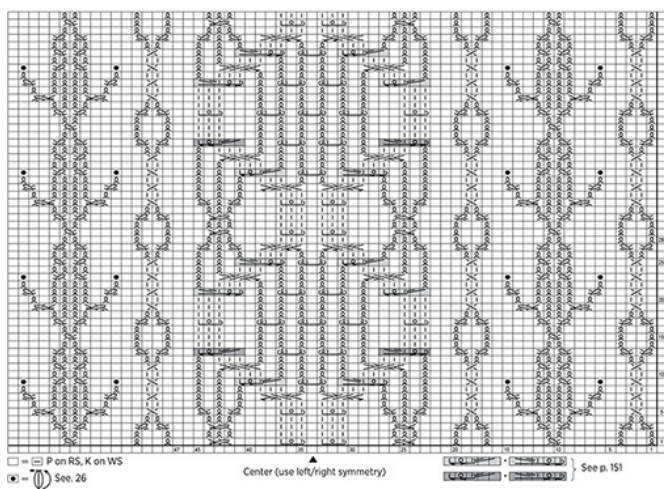
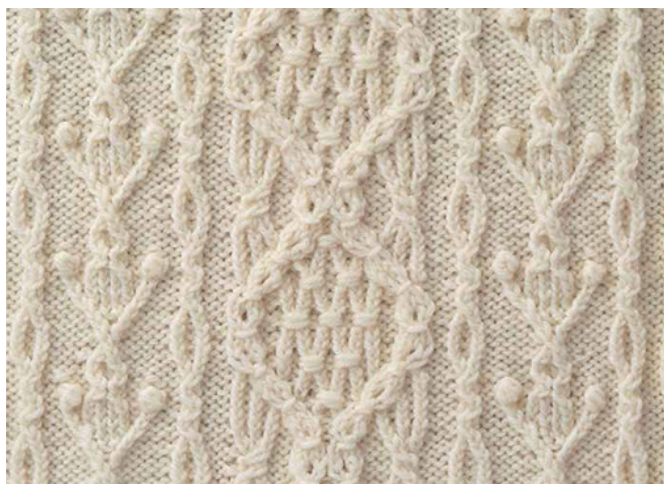
205

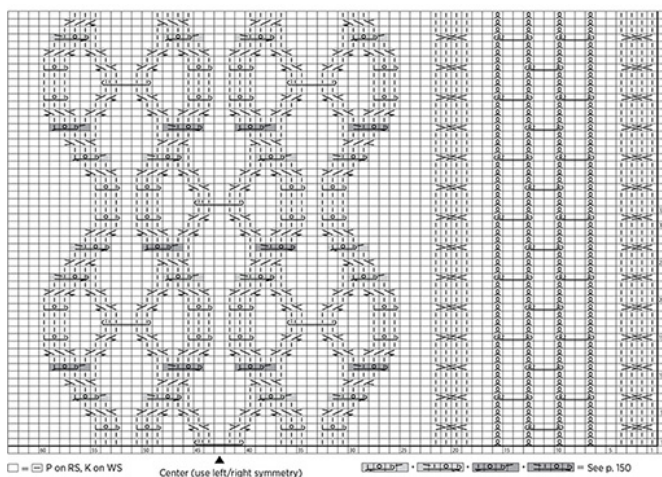
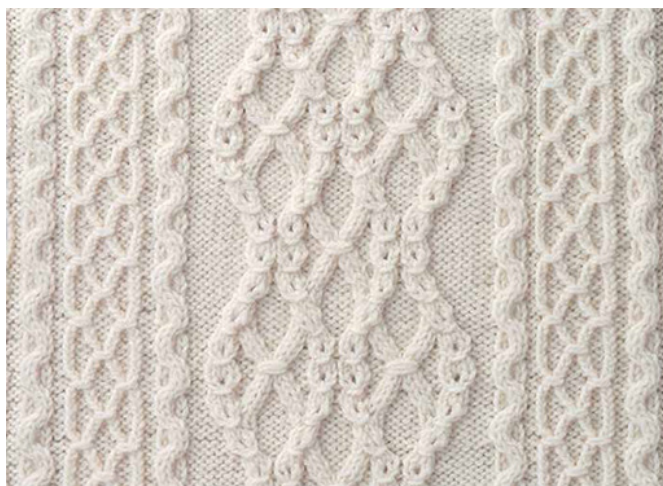


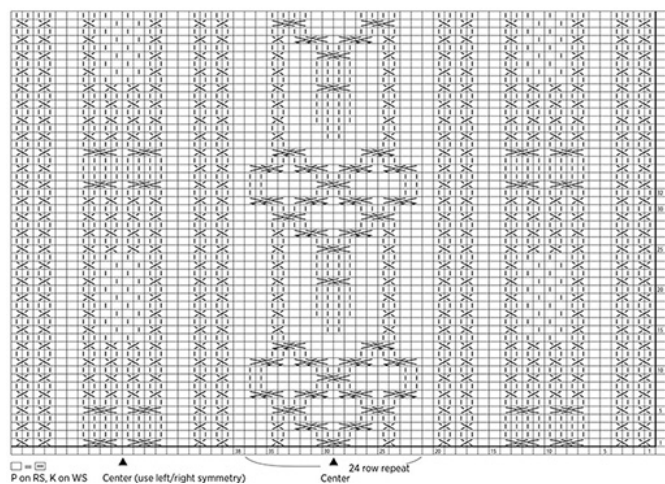
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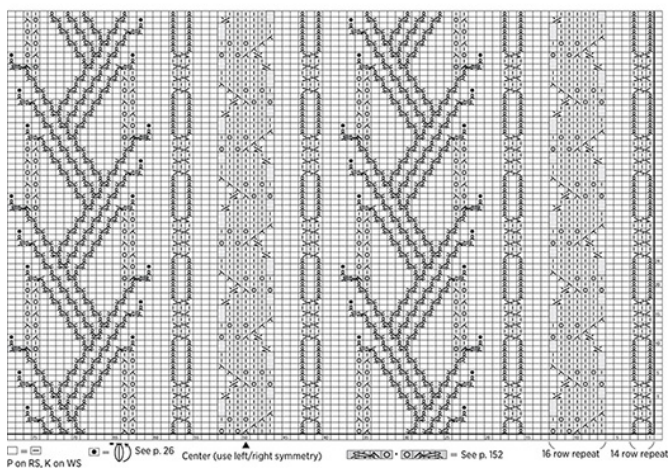


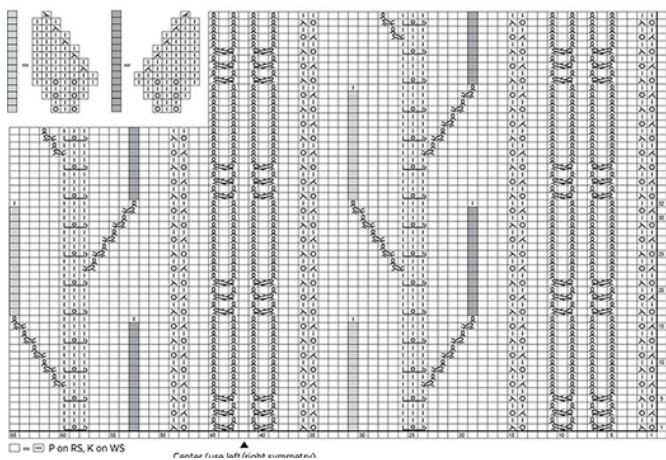
Panel Patterns

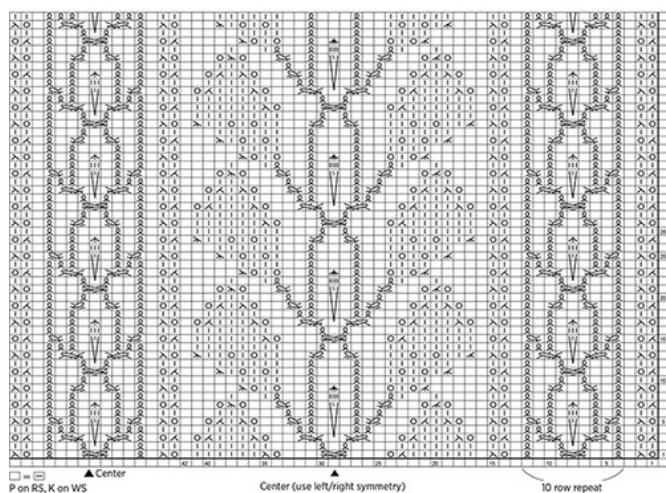


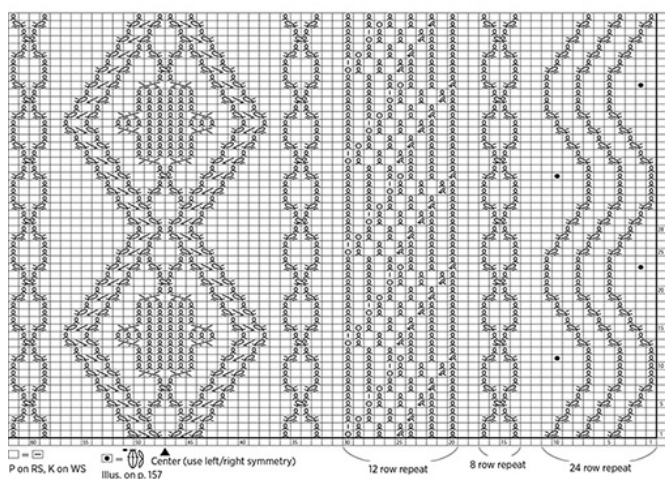


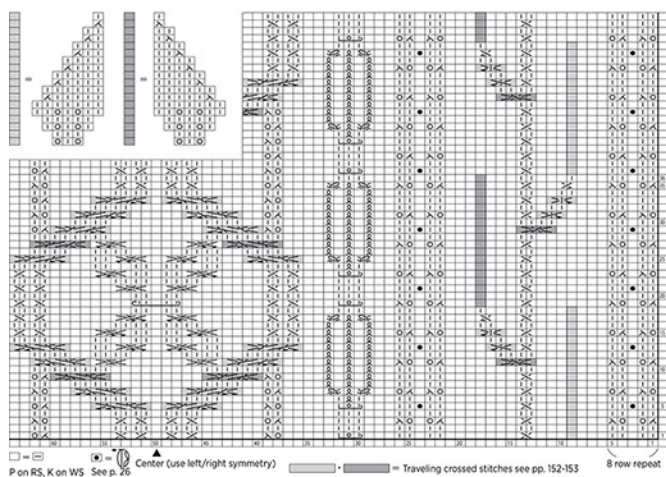


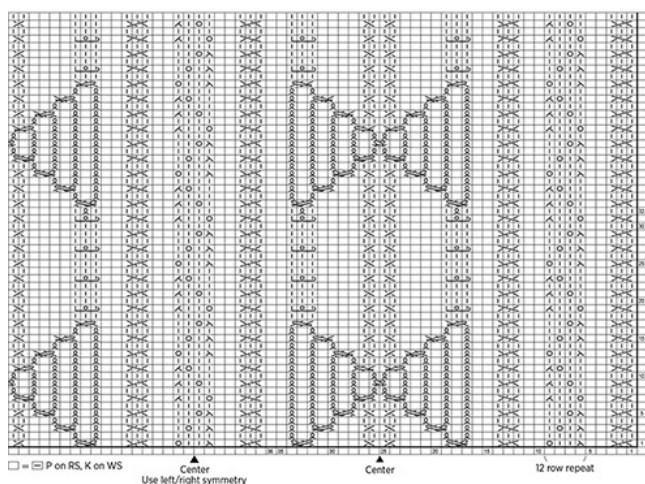


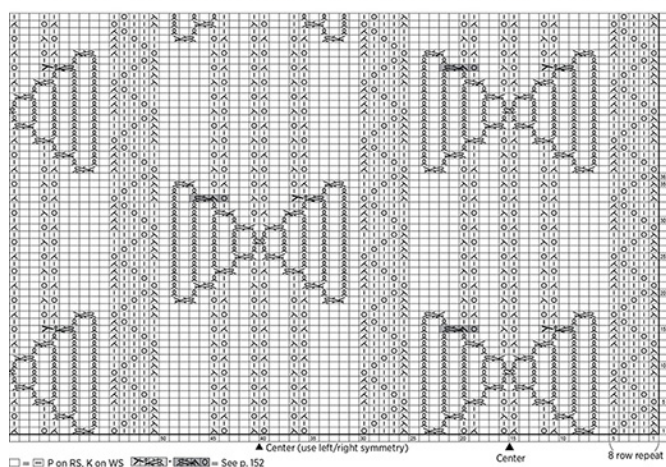


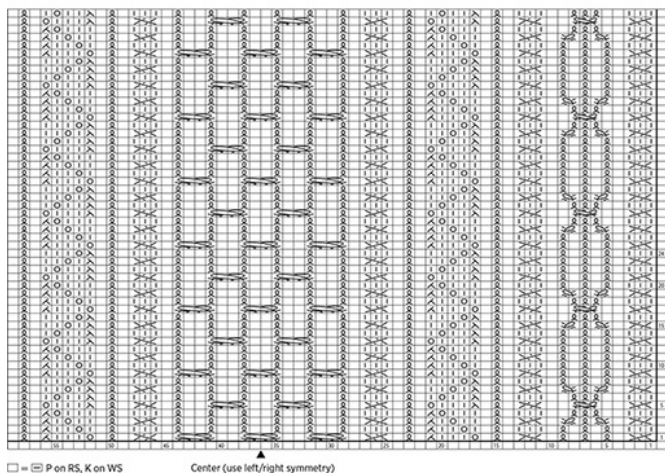
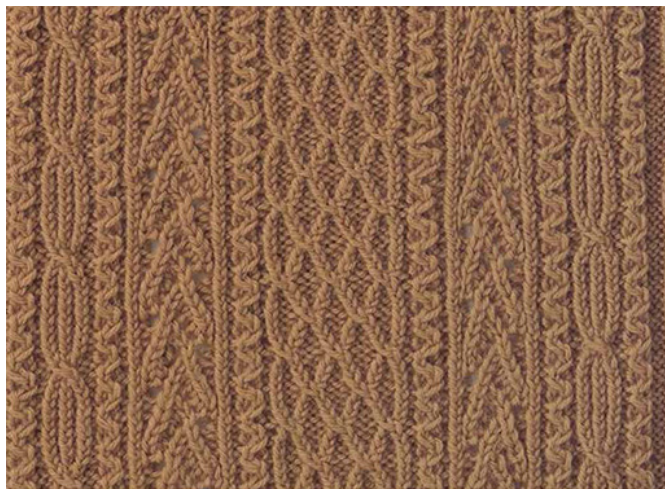


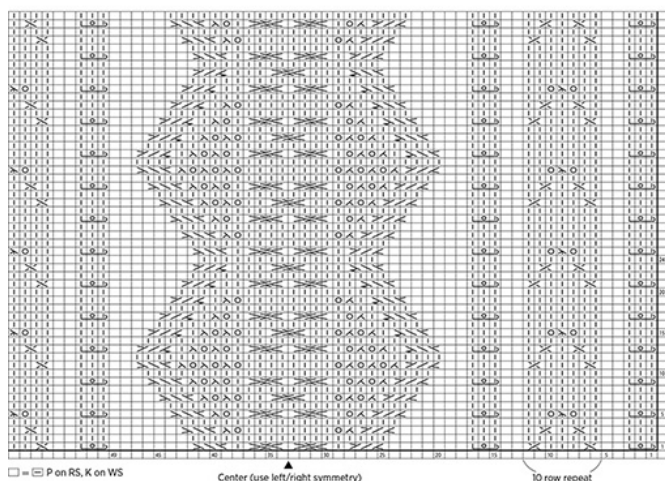


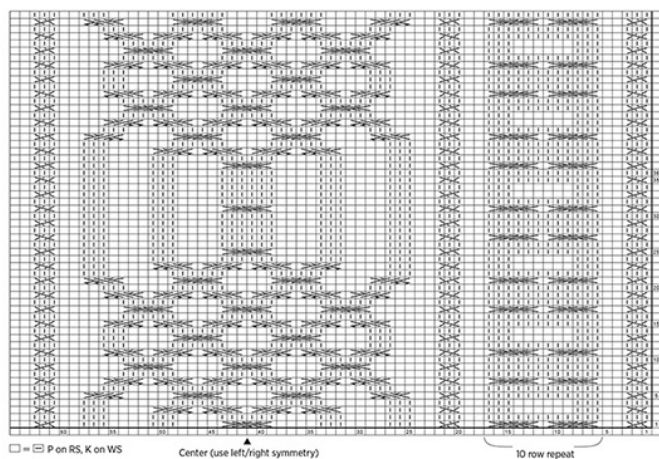












Edgings







232



233



234



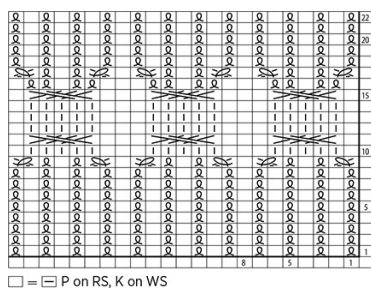
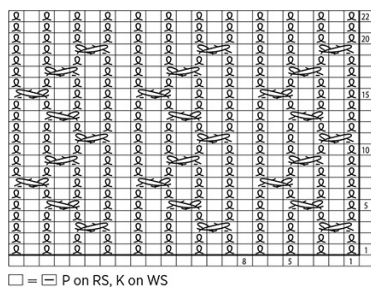
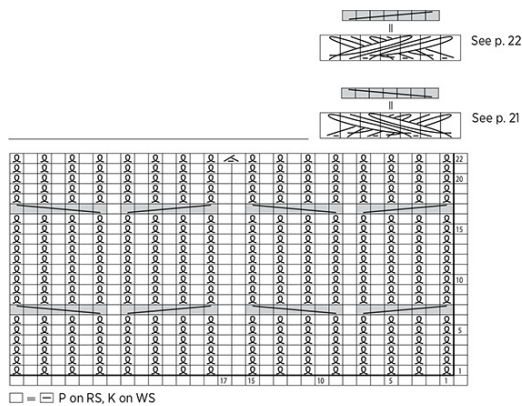
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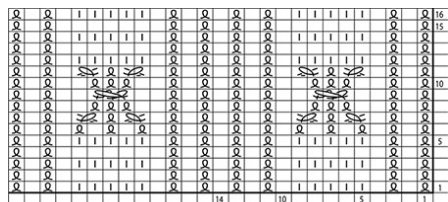


236



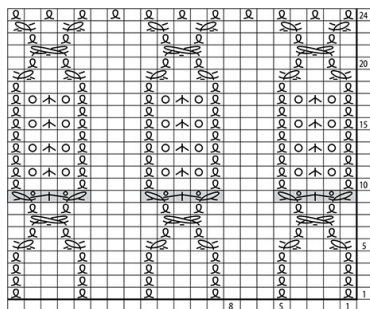






□ = □ P on RS, K on WS

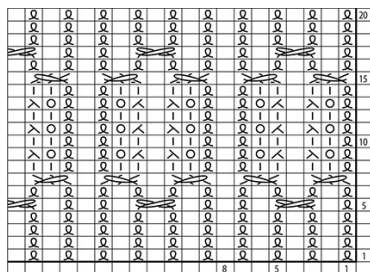
227



□ = □ P on RS, K on WS

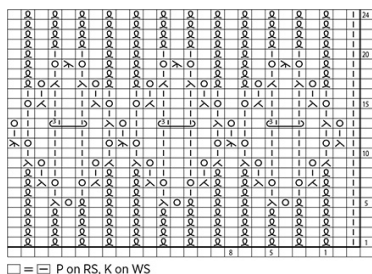
□ = See p. 150

228

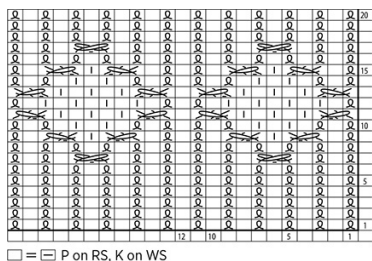


□ = □ P on RS, K on WS

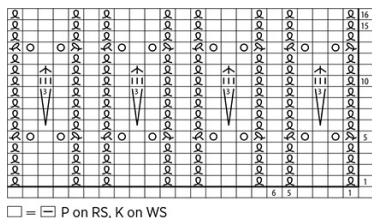
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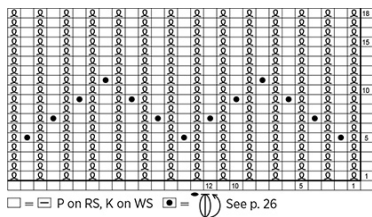
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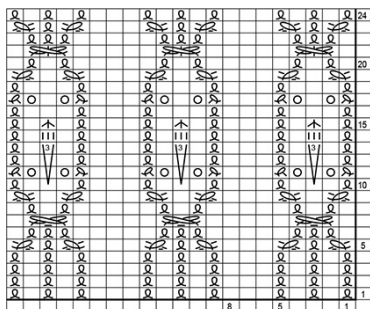


231



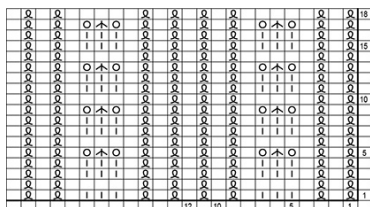
232





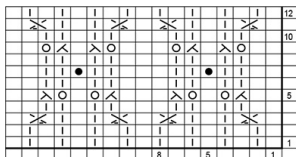
□ = □ P on RS, K on WS

234



□ = □ P on RS, K on WS

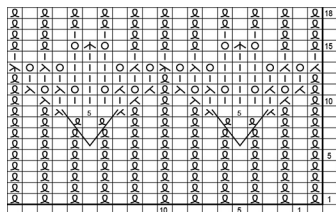
235



□ = □ P on RS, K on WS

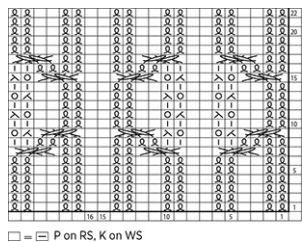
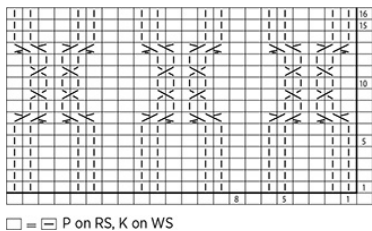
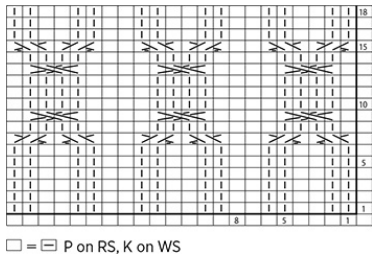
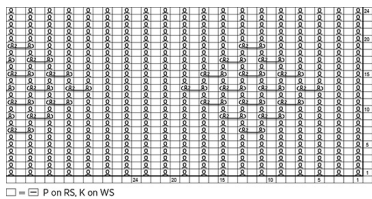
● = ● See p. 26

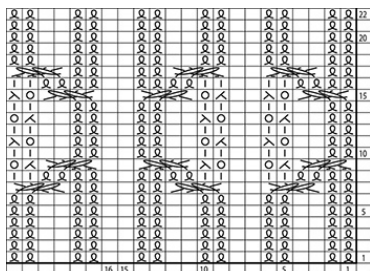
236



□ = □ P on RS, K on WS

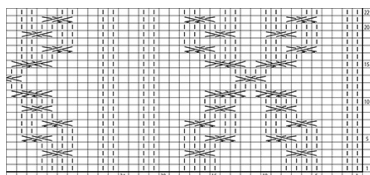
5 = Insert LN into st 3 rows below, pull out a loop, [yo, pull out a loop] twice to make 5 sts.





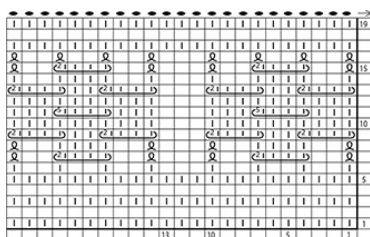
□ = □ P on RS, K on WS

246



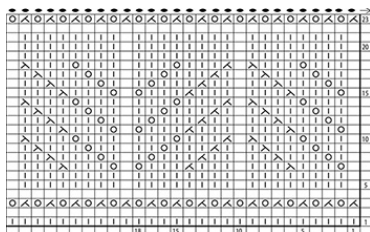
□ = □ P on RS, K on WS

247



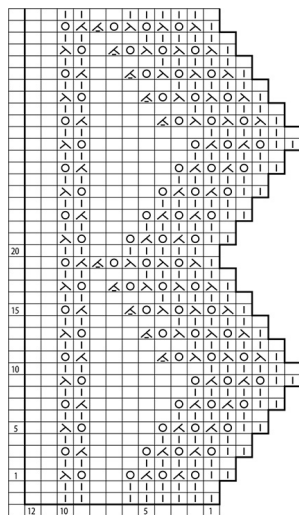
□ = □ P on RS, K on WS

248



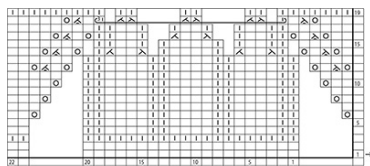
□ = □ P on RS, K on WS

249



□ = □ P on RS, K on WS

250



□ = □ P on RS, K on WS

Knitting Symbols

NOTE: this table contains stitch symbols that are more complex than most. Below each composite symbol, each stitch is identified with a tiny number, which is the position of that stitch as it appears at the beginning of the maneuver.

The “how to knit it” directions use those stitch numbers to help you keep track of which stitch is in use at each step.

Abbreviations can be found on page 8.

Some symbols show two versions, with knits or purls sitting behind other stitches. When directions say “knit (or purl),” consult the chart to see what the stitch looks like in the next row. You may also see a tiny purl dash at bottom of the relevant stitch.

Symbol(s) it it

Charts 003, 054, 068, and 227

Place st 1 on CN, hold in back. Ktbl st 2. Yo, slip st 3 to RN without knitting it. Place st 4 on another CN, hold it in front. K st 5, return it to LN, and pass st 1 from back CN, then st 3 from RN over it, making centered double decrease; return this st to RN. Yo, then ktbl st 4 from front CN.

Chart 023

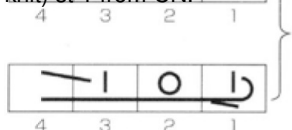
On the first row, make 1 st into 5 thus: wrap yarn twice around needle and bring it through st without removing st from LN; yo, then wrap twice again and remove from LN. On the next row, let the extra wraps drop off the needle as you slip 3 purlwise.

Place the 3 slipped sts from the previous row on CN and hold in front, p sts 2 and 3, then sl 1, k2tog, pssw with the 3 sts on CN.

Place sts 1 and 2 on CN and hold in back, k3tog the 3 slipped sts from the previous row, then p2 the sts on CN.

Charts 071, 077, 120, 133, 134, 163, 164, 194, and 208

Place st 1 on CN and hold in back, make a knot with sts 2 through 4, purl (or knit) st 1 from CN.



Place sts 1 to 3 on CN and hold in front, purl (or knit) st 4, then make a knot with

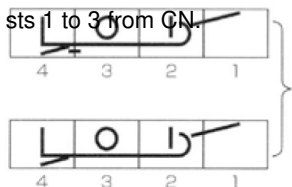
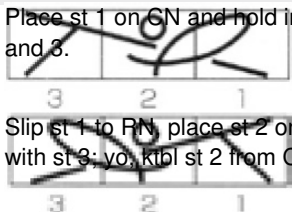


Chart 093

Place st 1 on CN and hold in back, ktbl st 2, yo, then ssk with sts 1 (from cn) and 3.



Slip st 1 to RN, place st 2 on CN and hold in front, return st 1 to LN and k2tog with st 3; yo, ktbl st 2 from CN.



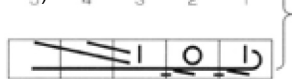
Chart 117

Place st 1 on CN and hold in back, place sts 2 to 4 on a separate CN and hold in front, p st 5, make knot with sts 2 to 4 from CN, ktbl st 1 from CN.

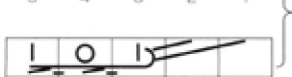
Place st 1 on CN and hold in back, place sts 2 to 4 on a separate CN and hold in front, k st 5 tbl, k sts 2 to 4 from CN, p st 1 from CN.

Charts 119 and 207

Place sts 1 and 2 on CN and hold in back, make knot with sts 3 to 5, purl (or knit) sts 1 and 2 from CN.



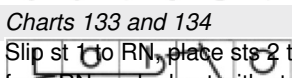
Place sts 1 to 3 on CN and hold in front, k (or p) st 4, p st 5, make knot from the 3 sts on CN.



Charts 120 and 194

Place sts 1 to 3 on CN and hold in back, make knot with sts 4 to 6, p the 3 sts from CN.

Place sts 1 to 3 on CN and hold in front, purl sts 4 to 6, make knot with sts 1 to 3 from CN.



Charts 133 and 134

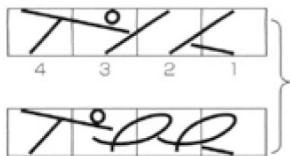
Slip st 1 to RN, place sts 2 to 4 on CN and hold in front, yo, ssk st 5 with st 1 from RN, make knot with sts 2 to 4 from CN.



Symbol(s) it it

Place st 1 on CN and hold in back, make knot with sts 2 to 4, place st 1 back on LN and k2tog with st 5, yo.

Slip st 1 to CN, hold in back; k (or ktbl) sts 2 and 3. Yo, return st 1 to LN and ssk with st 4.



Charts 165 and 191

Place st 1 on CN and hold in back, make knot with sts 2 to 4, place st 1 back on LN and k2tog with st 5, yo.



Chart 182

Place sts 1 and 2 on CN and hold in back. K sts 3 and 4; slip sts 1 and 2 back to LN and k2tog; yo.

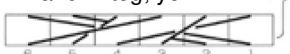
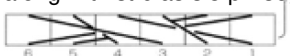


Chart 189

Place sts 1 to 3 on CN and hold in front, p sts 4 and 5, then work sts from CN along with st 6 as sl3 pwise, k1, p3sso.



Sl st 1 to RN, sl sts 2 and 3 to CN and hold in back, return st 1 to LN and k4tog with sts 4 to 6, then p sts 2 and 3 from CN.



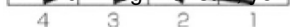
Chart 202

Place sts 1 and 2 on CN and hold in front, yo, k2tog sts 3 and 4, k2tog sts 1 and 2 from CN, yo.



Charts 210 and 217

Place sts 1 and 2 on CN and hold in back, ktbl st 3, p st 1 from CN, return st 2 to LN and k2tog with st 4, yo.



Yo, slip st 1 to RN, place st 2 on CN and hold in front, k st 3 and pass st 1 from RN over it, p st 4, then ktbl st 2 from CN.

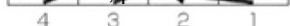


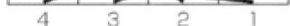
Chart 217

Place sts 1 and 2 on CN and hold in back, ktbl st 3, purl st 1 from CN, yo, k st 4 and pass st 2 from CN over it.



Chart 215

Place sts 1 and 2 on CN and hold in back, cross st 4 over st 3 to the right, cross st 5 over st 6 to the left, then p (or k) sts 1 and 2 from CN.



Place sts 1 and 2 on CN and hold in back, cross st 3 over st 4 to the left, cross st 6 over st 5 to the right, then p (or k) sts 1 and 2 from CN.

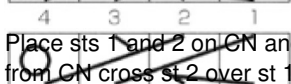


Place sts 1 through 4 on CN and hold in front, p (or k) sts 5 and 6, then from CN

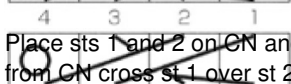
cross st 2 over st 1 to the right, cross st 4 over st 3 to the left.



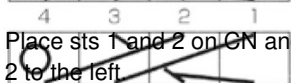
Place sts 1 through 4 on CN and hold in front, p (or k) sts 5 and 6, then from CN cross st 2 over st 1 to the left, cross st 4 over st 3 to the right.



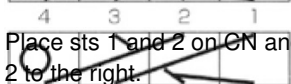
Place sts 1 and 2 on CN and hold in front, cross st 4 over st 3 to the right, then from CN cross st 2 over st 1, also to the right.



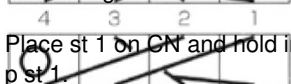
Place sts 1 and 2 on CN and hold in back, cross st 3 over st 4 to the left, then from CN cross st 1 over st 2, also to the left.



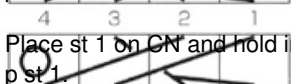
Place sts 1 and 2 on CN and hold in front, p st 3, then from CN cross st 1 over st 2 to the left.



Place sts 1 and 2 on CN and hold in front, p st 3, then from CN cross st 3 over st 2 to the right.



Place st 1 on CN and hold in back, cross st 3 over st 2 to the right, then from CN p st 1.

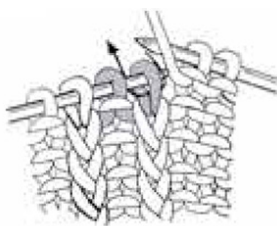


Place st 1 on CN and hold in back, cross st 2 over st 3 to the left, then from CN p st 1.





Twisted left decrease



1 Sl 1 st purlwise to RN.



2 K next stitch on LN.



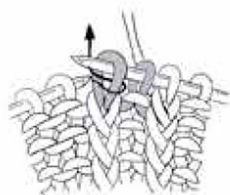
3 Pass 1st st from step 1 over 2nd st.



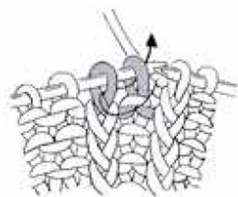
4 Completed twisted left decrease.



Twisted right decrease



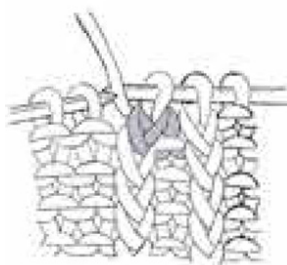
1 Sl 2 st purlwise to RN. Sl the 2nd st back to LN by inserting the tip of the left needle from right to left (as shown) to twist it.



2 Sl the 1st st back to LN. Insert RN through both sts as if to k2tog.



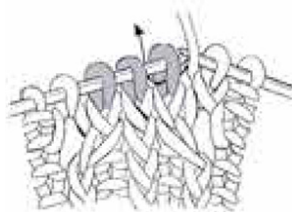
3 K2tog.



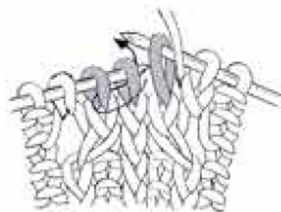
4 Completed twisted right decrease.



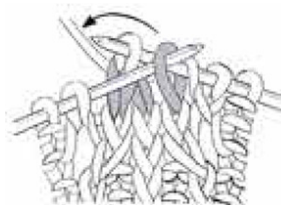
Twisted left double decrease



1 Sl 1 st purlwise to RN.



2 K2tog the next 2 sts on LN.



3 Pass the 1st slipped st over the k2tog.



4 Completed twisted left double decrease.



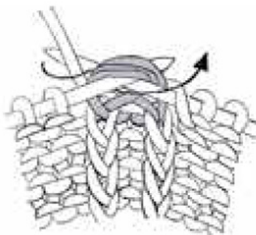
twisted right double decrease



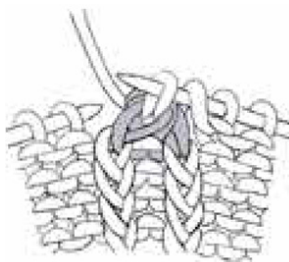
1 Sl 3 sts purlwise to RN. Sl 3rd stitch back to LN by inserting the tip of LN as shown by the arrow, to twist it.



2 Sl the other 2 sts back to LN.



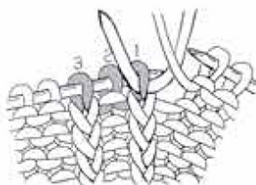
3 K3tog.



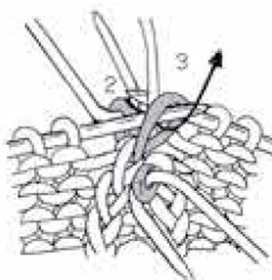
4 Completed twisted right double decrease.



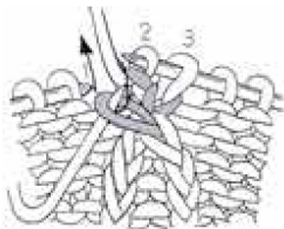
Twisted 3-st cable with center purl



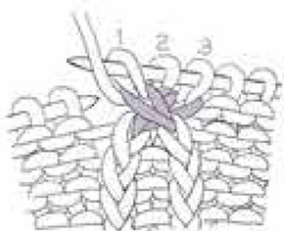
1 Place 1 st on CN, hold to front. Place next st on another CN, hold to back.



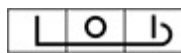
2 Ktbl the 3rd st.



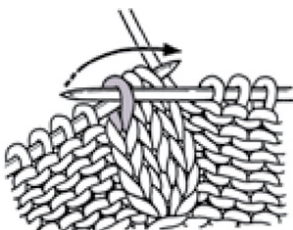
3 P the st from back CN. Ktbl the st from front CN.



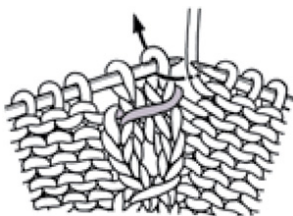
4 Completed twisted 3-st cable with center purl.



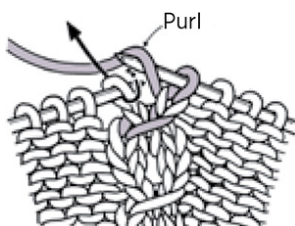
Knot stitch, right



1 Insert tip of RN into 3rd st on LN; lift it over sts 1 and 2 and let it drop.



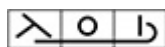
2 K 1 st.



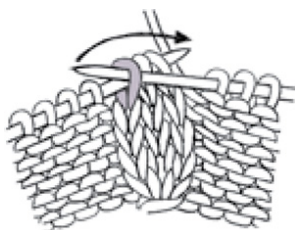
3 Yo, k1.



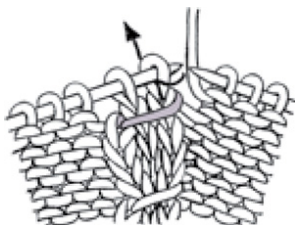
4 Completed knot st right.



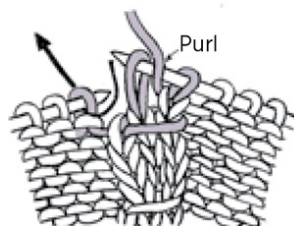
Knot stitch, right with SSK



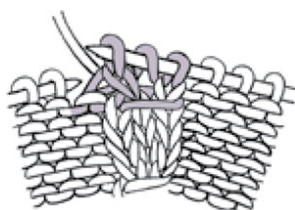
1 Insert tip of RN into 3rd st on LN, lift it over sts 1 and 2 and let it drop.



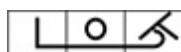
2 K 1 st.



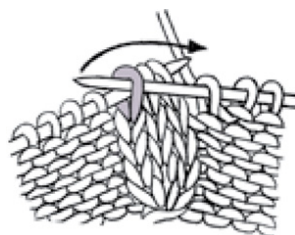
3 Yo, sl next st to RN, k1.



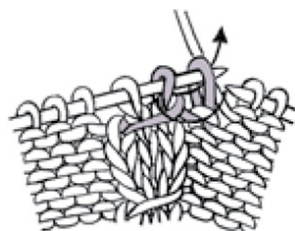
4 Pass sl st over. Completed knot st right with ssk.



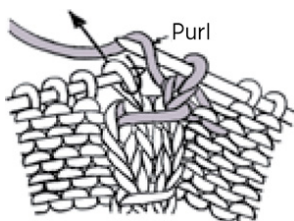
Knot stitch, right with k2tog



1 One st before the knot, sl 1 st to RN. Insert tip of RN into 3rd st on LN, lift it over sts 1 and 2 and let it drop.



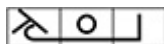
2 Return sl st to LN, k2tog.



3 Yo, k1.



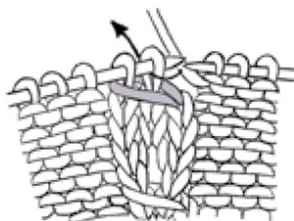
4 Completed knot st right with k2tog.



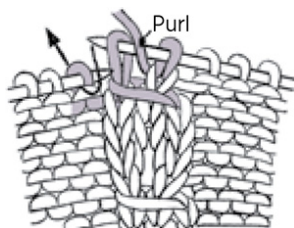
Knot stitch, left with ssk



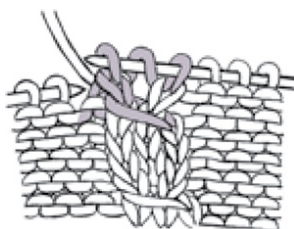
1 SI 3 sts purlwise to RN. Insert tip of LN into the 1st st, lift it over sts 2 and 3 and let it drop.



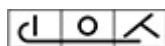
2 SI 2 sts back to LN. Knit 1.



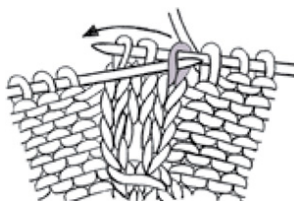
3 Yo, then sl next st to RN purlwise. K 1 st.



4 Pass sl st over. Completed knot st left with SSK.



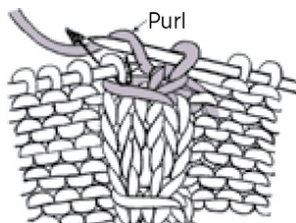
Knot stitch, left with k2tog



1 Beginning 1 st before knot, sl 1 st purlwise to RN. Sl the next st knitwise to RN, then sl the next 2 sts purlwise to RN. Insert tip of LN into the 2nd st, lift it over sts 3 and 4 and let it drop.



2 Sl the 1st (purl) st back to LN. K2tog with next st on LN.



3 Yo, kl.

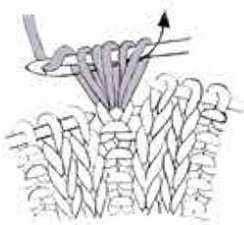


4 Completed knot stitch left with k2tog.

 **2hdc bobble**



1 With crochet hook, loosely pull up a loop from the next st on LN.

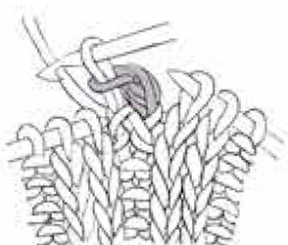


2 *Yarn over hook. Loosely pull up another loop from same st on LN.**
Repeat from * to ** once more = 5 loops on hook. Yarn over hook, pull

through all 5 loops.



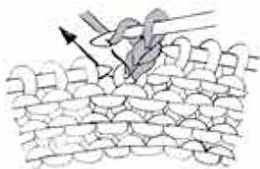
3 Bring hook behind bobble and pick up the purl bump of the strand just below.



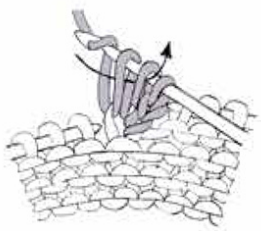
4 Slip st the purl bump together with last st on hook. Transfer to RN.



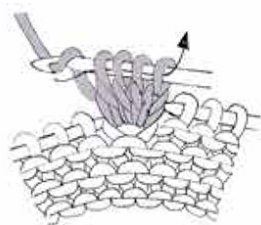
3-dc bobble



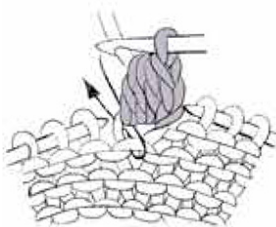
1 With crochet hook, ch 2 into the next st on LN.



2 Yarn over hook, insert into the same st, pull up a loop, pull through 2 loops = incomplete dc.



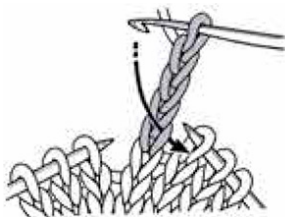
3 Work 2 more incomplete dc's (step 2) into the same st. Yarn over hook, and pull through 4 remaining loops.



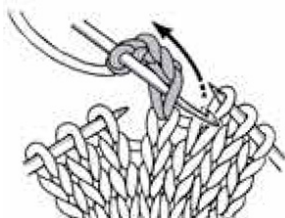
4 Bring hook behind bobble and pick up the purl bump of the strand just below. Slip st the purl bump together with last st on hook. Transfer to RN.



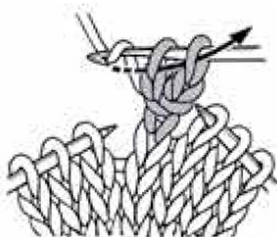
4-chain bobble



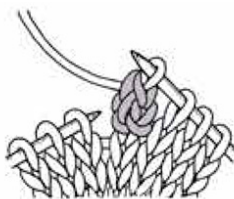
1 With crochet hook, ch 4 into the next st on LN. From the front, bring hook down and into the first ch (arrow).



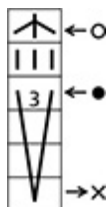
2 Swing hook around to back (arrow).



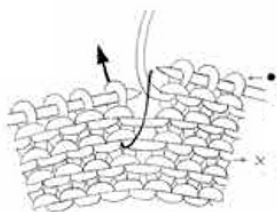
3 Slip st through both loops on hook.



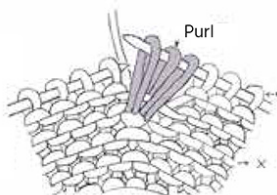
4 Completed chain bobble. Transfer to RN.



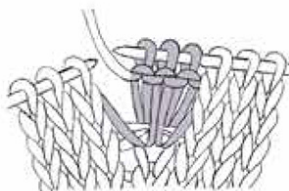
3-st bobble from 3 rows below



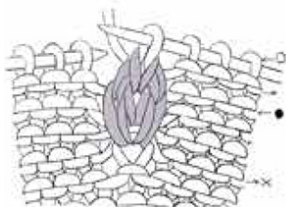
1 Rows 1 to 3: work this st as reverse stockinette st. In row 4 (RS, black dot): insert tip of RN into center of st 3 rows below the next st.



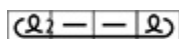
2 Pull up a loop of yarn, yo, insert RN into the same place and pull up another loop, keeping all loops the same height. Drop the next st on LN.



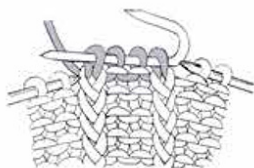
3 On the next row (WS), purl these 3 sts.



4 On the last row (RS, white dot): sl 2 sts tog knitwise, k, p2sso.



Four-st knot wrapped twice



1 Work 4 sts and place them on CN or DPN.



2 Pass working yarn across these sts from front to back.



3 Wrap yarn twice around, counterclockwise, and leave yarn in back.



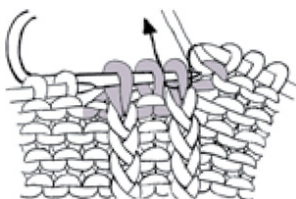
4 Transfer the wrapped sts to RN and continue in pattern.



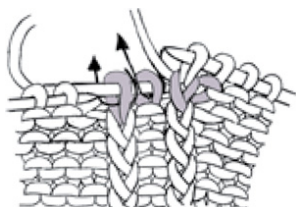
Crossed twisted rib



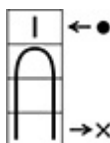
1 Place 3 sts on CN and hold to front. P the 4th st.



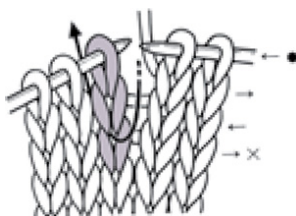
2 Ktbl the 1st st on CN.



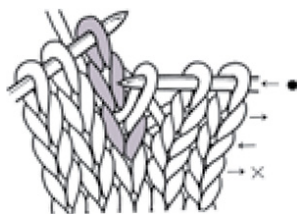
3 P1, ktbl the rem sts on CN.



→ × Knit 3 rows below



1 Rows 1 to 3: stockinette. Row 4 (RS, black dot): Insert tip of RN into the center of the st 3 rows below next st on LN.



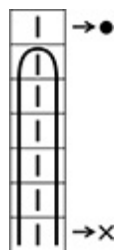
2 Yarn over RN and pull out a loop.



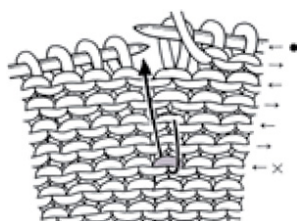
3 Let the next st drop off LN.



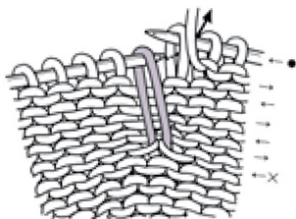
4 Completed knit 3 rows below.



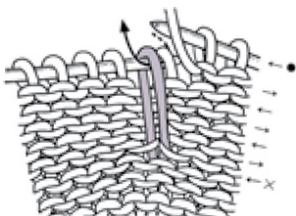
→X Tuck stitch



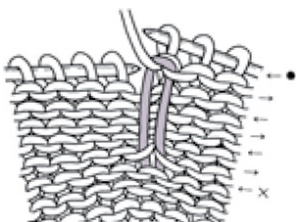
1 Rows 1 to 6: stockinette. Row 7 (WS, black dot): sl next st on LN purlwise. With tip of RN, pick up purl bump from st 5 rows below the slipped st, picking up from below in the direction of arrow.



2 Place picked up st on LN and transfer slipped st back to LN.

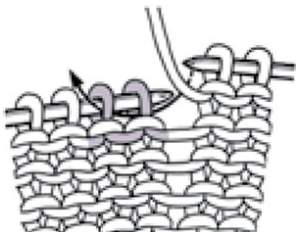


3 P2tog the picked up st and slipped st.

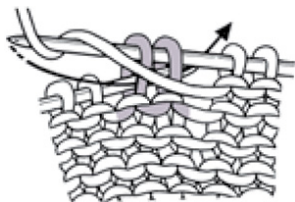


4 Completed tuck stitch; result shows on RS.

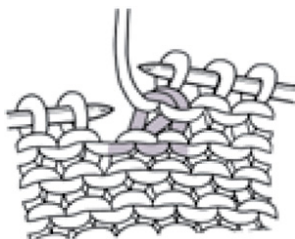
 P2tog on WS; looks like k2tog on RS



1 Insert RN through next 2 sts purlwise.



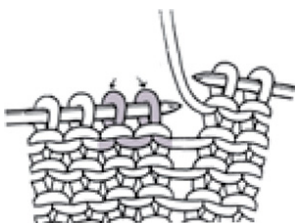
2 Wrap yarn over needle and p2tog.



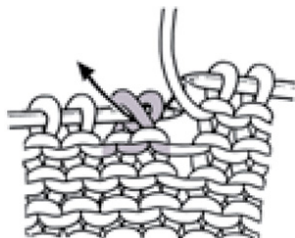
3 Completed p2tog. From right side, looks like k2tog.



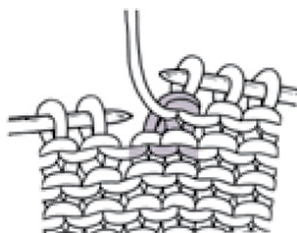
P2togtbl on WS (looks like ssk on RS)



1 Without working them, cross the next 2 sts on LN so st 1 is in front.



2 Insert RN through these 2 sts purlwise and p2tog.



3 *Alternate method is p2togtbl*

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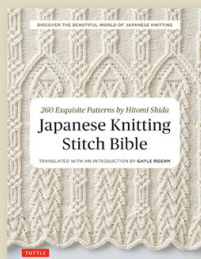
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Gayle Roehm has lived in Japan and studied the language for many years, and has knit from Japanese patterns for most of her knitting career. Gayle teaches at knitting gatherings around the country and occasionally publishes her own designs. She is the translator of the *Japanese Knitting Stitch Bible*.

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